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QUARTERLY REPORT NO. 4

JANUARY – MARCH 2006



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ESP JAKARTA/WEST JAVA

In cooperation with other USAID/BHS program, “Aman Tirta”, ESP conducts “Water Testing Day”, an activity that involves school children to promote various easy and inexpensive ways to get clean water. For more about this, please read the Cover Story on page 1.

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ESP Program Site Location Map



COVER STORY

WATER TESTING DAY EVENTS: "IN FACT, THERE ARE EASY WAYS TO OBTAIN POTABLE WATER. JUST ASK ME HOW..."

"In fact, there are easy ways to obtain potable water. Just ask me how..." This sentence is written on the back of the t-shirts of dozens of happy students and teachers participating in the Water Testing Day (WTD) held in SMPN 10 Padang, West Sumatra in February 6. Situation that afternoon was different. A huge tent was installed at the school yard, accommodating four groups of students who were busy processing water through four simple ways i.e., boiling, solar water disinfection, chlorination and ceramic filtration.

Different from WTD events performed by elementary school students in other cities, WTD event in Padang was performed by secondary school students. This educative yet fun activity is aimed at promoting students' awareness on the importance of healthy drinking water in order to reduce alarming diarrhea cases.

This ESP-USAID sponsored activity involved local partners i.e., students, teachers, parents, local health office, education office, public works office, and local water utilities office (PDAM). These events were conducted in Serang, Jakarta, Bandung, Medan, Surabaya and Padang.

SWS/AmanTirta which produces "Air RahMat", a liquid 1.25% sodium hypochlorite solution, supported these events by providing technical assistance. Kang Deden, a radio announcer-cum-child activist, who has experiences in Post Tsunami Children Center in Aceh, hosted these events in Serang, Jakarta and Bandung.



ESP PADANG/WEST SUMATRA

Students of Public Junior High School 10 in Padang are pouring chlorine into a bucket of water as part of water treatment experiments on "Water Testing Day".

Generally, events in every city were fun and attracted many spectators. Students improvised it with poetries (both in English and Indonesian), music, rap songs and other performances.

All these were combined with a serious yet relax activity, quiz contest, and presentation of each group.

Each city has its own characteristics, without forgetting to deliver the main message. Students conducted the test by pouring in *Collilert*, a reagent that is widely use to test water quality, into the water samples and kept them in an incubator box in a certain temperature for 24 hours. Results of their test were then discussed by laboratory experts in each region. In Padang, in particular, test results were taken to a laboratory at the local health office. The lab results were then discussed by a panel in a local newspaper.

“Water Testing Day” events has generated wide coverage by various mass media channels, both print and audio visual. At least six print media, five TV stations and four radio stations provided coverage in different regions.

“Chlorinating is very easy. I will practice it at home. It saves money and does not need kerosene to boil water,” Urfa, a student from Jakarta, told a TV station. “At first, I didn’t know that sun rays can also process drinking water,” said Retno, 13 years old, separately after practicing SODIS (*solar water disinfection*) method.

SODIS is performed by exposing a water-filled bottle to direct sun for at least six hours. The bottle can be placed on a piece of black material, painted half in black or on a corrugated iron sheet to enhance heat. Chlorination is performed by introducing certain drops of “Air RahMat” in a water container and shaking the container for 30 seconds. The water will then be ready for drinking 30 minutes later. Ceramic filtration is performed by pouring clean water into a special container containing ceramic filter.



ESP JAKARTA/WEST JAVA

School Children of Public Elementary School Rawa Barat 07 are closely observing the result of the water samples being tested.



ESP JAKARTA/WEST JAVA

School Children of Al Izzah Islamic Elementary School are busy taking notes while testing the water.

In addition, this event also emphasized the importance of preventing certain practices which may hamper our access to healthy drinking water. In boiling water, for instance, some people usually turn off the stove when the water is just boiled, whereas it should take two to four more minutes to boil the water properly so as to kill microbes completely. Improper storage of water in an open container and use of dirty appliances may also contaminate water.

This event would like to remind that contaminated water has killed more people than those of cancer, wars or car accidents. In developing countries, 75 percent of all diseases are caused by contaminated drinking water. In Indonesia, more than 100 million people do not have access to healthy drinking water, and more than 70 percent of its population depends on contaminated water resources. It comes as no surprise if diarrhea is the second deadliest disease in Indonesia.



ESP SURABAYA/EAST JAVA

School children in Surabaya are preparing for the "Water Testing Day" event.

Therefore, people in developing countries, like Indonesia, should have the knowledge on how to produce a healthy drinking water through simple ways. Environmental management has yet to provide access to clean water. Piping drinking water source has yet to fulfill this need. On the other hand, poor people are affected by unstable economic conditions. Therefore, we should take immediate actions in fulfilling people's demand for healthy drinking water.

SECTION I

INTRODUCTION AND SUMMARY

INTRODUCTION

USAID's Environmental Services Program (ESP) promotes better health through improved water resources management and expanded access to clean water and sanitation services.

This Progress Report for ESP is submitted by Development Alternatives, Inc. to the United States Agency for International Development in accordance with Article II, Section G, Reports (as modified) of Contract No. 497-M-00-05-00005-00, originally executed January 11, 2005. This document represents Quarterly Progress Report No. 4 of the Environmental Services Program, for the period January 1 through March 31, 2006. This report provides information on the initiation and execution of program activities in the regions covered by ESP. Copies of this report are also provided to Government of Indonesia steering committee members, other relevant programs of USAID, as well as subcontractors and partners of the ESP Program per the distribution list attached to the transmittal letter.

Section I of this report provides the reader with an executive-style summary of the program and its achievements from January 1 through March 31, 2006. Section 2 describes program activities in each region in greater detail. The final two sections provide an update on national initiatives and program management (Section 3), and program monitoring and evaluation (Section 4).

BAB I

PENGANTAR DAN RINGKASAN

PENGANTAR

Program Layanan Jasa Lingkungan (Environmental Services Program - ESP) USAID mendorong tercapainya kesehatan yang lebih baik melalui perbaikan pengelolaan sumber daya air dan perluasan akses untuk memperoleh layanan sanitasi dan air bersih.

Laporan Kemajuan untuk ESP ini disampaikan oleh Development Alternatives, Inc. kepada Badan Pembangunan Internasional Amerika Serikat (United States Agency for International Development-USAID) berdasarkan Pasal II, Bab G, Laporan (sesuai revisi) dalam Kontrak No. 497-M-00-05-00005-00, tertanggal 11 Januari 2005. Dokumen ini merupakan Laporan Kemajuan Triwulan No. 4 ESP untuk periode 1 Januari sampai 31 Maret 2006. Laporan ini berisi informasi peluncuran dan pelaksanaan program-program di berbagai daerah kerja ESP. Salinan laporan ini juga disediakan bagi para anggota komite pengarah dari Pemerintah Indonesia, program-program lain USAID yang terkait, dan juga bagi para subkontraktor dan mitra ESP sesuai dengan daftar distribusi yang dilampirkan pada surat pengiriman.

Bab I laporan ini menyediakan ringkasan eksekutif mengenai program dan berbagai keberhasilan yang dicapai dari 1 Januari sampai 31 Maret 2006. Bab 2 menjelaskan aktivitas-aktivitas program di masing-masing wilayah dengan lebih terperinci. Dua bagian selanjutnya memberikan informasi terbaru mengenai inisiatif-inisiatif nasional dan manajemen program (Bab 3), dan pemantauan serta evaluasi program (Bab 4).

SECTION I.1.

ESP OVERVIEW

THE ENVIRONMENTAL SERVICES PROGRAM

ESP works with government, private sector, NGOs, community groups and other stakeholders to improve the management of water resources and broaden the distribution of safe water to urban dwellers by strengthening watershed management and delivery of key environmental services, including clean water supply, wastewater collection and treatment and solid waste management in Indonesia. The period of the project is from December 2004 through September 2009 including an initial transition from previous programs.

ESP is a five-year project which was developed by USAID/Indonesia to improve sustainable management of water resources. ESP activities are focused on nine High Priority Integrated Provinces: Nanggroe Aceh Darussalam, North Sumatra, West Sumatra, East Java, Central Java/Yogyakarta, West Java/Banten and DKI Jakarta. ESP also supports a limited set of activities in four Special Concern Imperative Areas: Balikpapan, Manado, Manokwari and Jayapura. This initiative supports activities in the following three key areas:

- Improving health by increasing access to clean water and sanitation services;
- Achieving an improved watershed management;
- Increasing the production and distribution of water.

The ESP program provides technical assistance and related services to impact USAID's **Strategic Objective No. 2, Higher Quality Basic Human Services Utilized (BHS)**. BHS focuses on the interdependence

BAB I.1.

SEKILAS ESP

PROGRAM LAYANAN JASA LINGKUNGAN)

ESP bekerja dengan pemerintah, sektor swasta, LSM, kelompok masyarakat dan para pemangku kepentingan untuk meningkatkan pengelolaan sumber daya air dan memperluas distribusi air yang aman untuk penduduk perkotaan melalui perbaikan pengelolaadaerah aliran sungai dan penyediaan jasa lingkungan, termasuk pasokan air bersih, penampungan serta pengelolaan air limbah dan pengelolaan limbah padat di Indonesia. Periode proyek ini adalah sejak Desember 2004 sampai September 2009 termasuk masa transisi awal dari program sebelumnya.

ESP adalah proyek lima tahun yang dikembangkan USAID/Indonesia untuk meningkatkan pengelolaan sumber daya air yang berkelanjutan. Kegiatan ESP difokuskan pada sembilan Provinsi Utama (High Priority Integrated Provinces): Nanggroe Aceh Darussalam, Sumatra Utara, Sumatra Barat, Jawa Timur, Jawa Tengah/Yogyakarta, Jawa Barat/Banten dan DKI Jakarta. ESP juga mendukung beberapa kegiatan terbatas di empat Wilayah Perhatian Khusus (Special Concern Imperative Areas): Balikpapan, Manado, Manokwari dan Jayapura. Dukungan tersebut meliputi tiga hal utama:

- *Memperbaiki kesehatan dengan memperluas jangkauan layanan sanitasi dan air bersih;*
- *Mencapai peningkatan pengelolaan daerah aliran sungai;*
- *Meningkatkan produksi dan distribusi air.*

*Program ESP menyediakan bantuan teknis dan pelayanan terkait guna memenuhi **Tujuan Strategis No. 2 USAID yakni Layanan Kebutuhan Dasar Manusia dengan Kualitas yang Lebih Tinggi (Higher Quality Basic Human Services Utilized - BHS)**. BHS memusatkan perhatian pada keterkaitan antara*

of health and the environment and their impact on health outcomes. To achieve this, USAID will increase access and utilization of key health and environmental services, particularly to users currently underserved or not served at all.

OBJECTIVES OF THE ESP PROGRAM

In accordance with Section C of the Contract, ESP will work with the Government of Indonesia, the private sector, NGOs, community groups and other stakeholders to strengthen watershed management and the key environmental services through four interrelated project objectives:

1. Strengthen the capacity of communities, governments, the private sector, local institutions, and NGOs to advocate for expanded delivery of key environmental services through improved water resources and protected areas management;
2. To expand opportunities for communities, NGOs, private sector and universities to participate more effectively in local management of water resources and delivery of key environmental services;
3. To strengthen biodiversity conservation through improving understanding and appreciation for the linkage between protected and forested areas and the delivery of key environmental services; and
4. To improve health and livelihoods of Indonesians through improved and expanded access to key environmental services (water, sanitation, solid waste) through the use of appropriate technologies, innovative financing, environmentally sustainable best practices, and sustainable market oriented activities.

Central to the above-described program will be a coordinated, collaborative and integrated approach involving all of the programs of the Basic Human Services Offices of USAID. In order to more effectively impact the success rate of BHS programs, strong efforts are

lingkungan dan kesehatan serta dampak keduanya terhadap kesehatan. Untuk mencapai hal ini, USAID akan menambah akses dan pemanfaatan layanan pokok lingkungan dan kesehatan, khususnya bagi masyarakat yang kurang terlayani atau sama sekali belum merasakan pelayanan tersebut.

TUJUAN PROGRAM ESP

Merujuk pada Bab C dalam kontrak, ESP akan membina kerja sama dengan Pemerintah Indonesia, sektor swasta, LSM, kelompok masyarakat dan para pemangku kepentingan untuk meningkatkan pengelolaan daerah aliran sungai dan pelayanan lingkungan melalui empat tujuan proyek yang saling terkait:

1. Memperkuat kapasitas masyarakat, pemerintah, sektor swasta, institusi lokal, dan LSM dalam mendukung perluasan layanan jasa lingkungan melalui peningkatan pengelolaan sumber daya air dan kawasan yang dilindungi;
2. Memperluas kesempatan bagi masyarakat, LSM, sektor swasta dan universitas untuk berpartisipasi secara lebih efektif dalam pengelolaan lokal sumber daya-sumber daya air dan pemenuhan layanan jasa lingkungan;
3. Memperkokoh pelestarian keanekaragaman hayati melalui peningkatan pemahaman dan penghargaan terhadap keterkaitan antara kawasan lindung dan kawasan hutan serta pemenuhan layanan jasa lingkungan;
4. Meningkatkan kesehatan dan mata pencaharian penduduk Indonesia melalui perbaikan serta perluasan akses terhadap layanan lingkungan (air, sanitasi, dan limbah padat) dengan memanfaatkan teknologi tepat guna, pendanaan yang inovatif, praktik-praktik yang berwawasan lingkungan dan pelaksanaan kegiatan yang berorientasi pasar yang berkelanjutan.

Yang menjadi inti program-program di atas adalah pendekatan terkoordinasi, kolaboratif dan terpadu dengan melibatkan semua program dari Basic Human Services (BHS) Offices (Kantor Layanan Kebutuhan Dasar Manusia) USAID. Agar program-program BHS bisa lebih berhasil dan berdampak

being made to assure as much synergy within the program as possible. ESP is committed to work closely with and in parallel to other relevant BHS programs such as, but not limited to:

- The Health Services Project (Maternal, Neo-natal and Child Health)
- The Food Security and Nutrition Programs (food assistance)
- The Safe Water Systems (SWS) Project

In addition, the ESP program is collaborating very closely with other relevant programs of related USAID Strategic Objectives, such as the Local Governance Support Program (LGSP), the Decentralized Basic Education Programs (DBE 1, 2 & 3), and the Aceh Technical Assistance Recovery Program (ATARP).

efektif, maka banyak usaha telah dilakukan untuk bisa mencapai sinergi sebanyak mungkin antara program-program ini. ESP memiliki komitmen untuk bekerja sama dengan program BHS lain yang terkait, namun tidak terbatas pada program tersebut di bawah ini:

- *The Health Services Project (Proyek Layanan Jasa Kesehatan) - Kesehatan Ibu, Bayi dan Anak*
- *The Food Security and Nutrition Programs (Program Keamanan Pangan dan Gizi) – bantuan pangan*
- *Safe Water Systems (SWS) Project – Aman Tirta*

Di samping itu, program ESP juga membina kerja sama amat erat dengan program-program terkait dalam Tujuan Strategis USAID, seperti Local Government Support Program (Program Dukungan Pemerintah Daerah/LGSP), Decentralized Basic Education Program (Program Pendidikan Dasar Terdesentralisasi/DBE 1, 2, dan 3) serta Aceh Technical Assistance Recovery Program (Program Bantuan Teknis Pemulihan Aceh/ATARP).

SECTION 1.2.

SUMMARY OF QUARTERLY ACHIEVEMENTS

INTRODUCTION

Section 1.2 provides a summary of quarterly activities and achievements in each of the High Priority Provinces during this reporting period. Notable activities for the period are also presented for the Special Concern Imperative Areas, National Initiatives, and Program Management.

REGIONAL HIGHLIGHTS

Nanggroe Aceh Darussalam. From January through March, ESP Aceh became more deeply involved in community based activities than during any previous quarter. The principle avenues for this involvement were the Sustainable Livelihood Assessments (SLA) conducted by the Watershed Management (WSM) and Environmental Service Delivery (SD) teams, increased collaboration with USAID partners, and the provision of technical assistance to NGOs in Aceh. A total of six SLAs were conducted during the quarter. Including the SLA previously conducted in Blang Lambaro and the earlier participatory surveys conducted in Lamkruet and Nusa, this meant that ESP began or continued programs in nine villages during the quarter.

Collaboration with USAID partners took two forms: technical assistance and infrastructure renovation. A new activity began taking shape in the Meureboh sub-district outside of Meulaboh, for example, where LGSP, ESP, and HSP are combining to develop spatial and water and sanitation plans for resettlement areas to be built with BRR funding. ESP also continued its joint effort with HSP on community health facilities in Banda Aceh and Aceh Besar, with rehabilitation work taking

BAB 1.2

RINGKASAN KEBERHASILAN TRIWULAN

PENGANTAR

Bab 1.2 berisi ringkasan kegiatan dan keberhasilan pada masing-masing Provinsi Utama dalam periode pelaporan triwulan ini. Kegiatan-kegiatan yang patut diangkat juga dipaparkan untuk Wilayah Perhatian Khusus, Inisiatif Nasional, dan Pengelolaan Program.

SOROTAN WILAYAH

Nanggroe Aceh Darussalam. *Dari Januari sampai Maret, ESP Aceh semakin lebih terlibat dalam aktivitas-aktivitas berbasis komunitas dibandingkan dengan beberapa triwulan sebelumnya. Jalur utama untuk keterlibatan ini adalah Sustainable Livelihood Assessments (Penilaian Mata Pencarian Berkelanjutan/SLA) yang dijalankan oleh tim dari Watershed Management (Pengelolaan Daerah Aliran Sungai/WSM) dan Environmental Service Delivery (Penyediaan Jasa Lingkungan/SD), meningkatnya kerja sama dengan mitra-mitra USAID, dan penyediaan bantuan teknis bagi LSM-LSM di Aceh. Ada enam SLA yang dijalankan dalam triwulan ini. Ditambah dengan SLA yang dijalankan pada periode sebelumnya di Blang Lambang dan survei-survei partisipatoris yang dijalankan di Lamkruet dan Nusa, berarti bahwa ESP telah memulai atau menjalankan program di sembilan desa dalam triwulan ini.*

Kerja sama dengan mitra-mitra USAID dijalankan dalam dua bentuk: bantuan teknis dan perbaikan infrastruktur. Contohnya, sebuah aktivitas baru mulai terbentuk di Kecamatan Meureboh di luar Meulaboh, di mana LGSP, ESP, dan HSP secara bersama-sama mengembangkan rencana tata ruang, air bersih dan sanitasi untuk wilayah pemukiman yang akan dibangun dengan pendanaan dari BRR. ESP juga melanjutkan upaya bersama dengan HSP dalam bidang fasilitas kesehatan masyarakat di Banda Aceh dan Aceh

place on five additional facilities.

ESP also provided technical assistance to a number of NGOs in Aceh during the reporting period. ESP aided Mercy Corps, for example, in addressing a wastewater problem in a Temporary Living Center (TLC). ESP also contributed vetiver grass from one of its experimental plots in support of the project. Similarly, ESP began developing plans for the water and sanitation facilities for a resettlement scheme to be constructed by Caritas in Meulaboh. Finally, in conjunction with CARE, ESP commenced the development of a septic tank/sub-surface wetland in the village of Nusa.

Additional highlights in Aceh during the reporting period included the following:

- ESP assisted PDAMs in Banda Aceh and Meulaboh with the preparation of Standard Operating Procedures (SOPs).
- Laboratory equipment was installed in Tirta Meureboh in Meulaboh and staff were trained in the use of the new equipment.
- In Lamkruet ESP conducted a training in the management of water and sanitation services for village facilitators (along with those from two other villages).
- A short-term consultant in water resources and hydrology conducted a workshop entitled, 'Introduction to Hydrological Survey Equipment' for local NGOs and Forestry Department staff. The consultant also established a digital weather data collection station at the ESP office in Banda Aceh to determine its suitability as a remote data sensor; conducted water quality tests in Jruk Balee (finding high levels of dissolved metals and/or salinity); and began negotiations with the Bureau of Meteorology and Geophysics regarding the usage of weather data collection equipment in the airports of Meulaboh and Banda Aceh.

Besar, dan pekerjaan rehabilitasi juga dilakukan di lima fasilitas tambahan.

ESP juga menyediakan bantuan teknis bagi sejumlah LSM di Aceh sepanjang periode pelaporan ini. Sebagai contoh, ESP membantu Mercy Corps dalam mengatasi masalah air limbah di sebuah Pusat Penampungan Sementara (Temporary Living Center/TLC). ESP juga menyumbangkan rumput vetiver dari satu lahan percobaannya untuk mendukung proyek ini. Demikian juga, ESP mulai mengembangkan rencana-rencana fasilitas air bersih dan sanitasi untuk skema pemukiman yang akan dibangun oleh Caritas di Meulaboh. Yang terakhir, bekerja sama dengan CARE, ESP menjalankan pembangunan sebuah tangki septik/penampungan limbah cair bawah tanah di desa Nusa.

Sorotan lain untuk Aceh dalam periode pelaporan ini meliputi hal-hal berikut ini:

- ESP membantu PDAM di Banda Aceh dan Meulaboh untuk melakukan persiapan Prosedur Pelaksanaan Standar.
- Peralatan laboratorium telah dipasang di Tirta Meureboh di Meulaboh dan staf di sana telah dilatih untuk menggunakan peralatan baru tersebut.
- Di Lamkruet, ESP menjalankan sebuah pelatihan di bidang pengelolaan layanan air bersih dan sanitasi bagi para fasilitator desa (juga dihadiri peserta dari dua desa lainnya).
- Konsultan jangka pendek untuk sumber daya air dan hidrologi menjalankan sebuah lokakarya berjudul, 'Pengenalan Peralatan Survei Hidrologis' bagi LSM lokal dan staf Departemen Kehutanan. Konsultan tersebut juga mendirikan sebuah stasiun pengumpulan data cuaca digital di kantor ESP di Banda Aceh untuk mengetahui kecocokannya untuk dipergunakan sebagai sensor data jarak jauh, menjalankan uji kualitas air di Jruk Balee (menemukan kandungan tinggi logam terlarut dan/atau salinitas), dan mulai melakukan negosiasi dengan Biro Meteorologi dan Geofisika menyangkut penggunaan peralatan pengumpulan data cuaca di bandara Meulaboh dan Banda Aceh.

North Sumatra. ESP continued to expand programmatic activities from 'ridge' to 'reef.' At the ridge, agriculture and agro-forestry activities geared up at the top of the Deli River Watershed in the shadow of Sibayak Volcano. These activities included the initiation of four Farmer Field Schools under a collaborative agreement with USAID CRSP holder Clemson University, the FIELD Foundation, and the Forestry Service of Karo District. Meanwhile, at the 'reef,' ESP awarded a small grant to the *Yayasan Akar Rumput Laut* to work with coastal communities growing mangrove trees.

In January women from a range of ESP partner groups and communities gathered together in central Medan City for a workshop on "Women's Empowerment in Managing Natural Resources." Topics for the workshop included: (1) Gender perspectives on natural resource management, (2) clean water management including 'Air Rahmat' use, (3) family and community health and hygiene, (4) composting and solid waste management, and (5) community tree nursery establishment. One of the key outputs of the productive workshop was the establishment of a 'network' of women spanning the array of ESP's partners within the Deli River Watershed.

Other quarterly highlights in North Sumatra included:

- In Tembung Village on the Percut River ESP collaborated with JBIC and local NGO *Bis Perduli* in the implementation of a solid waste management activity. Using the entry point of urban solid waste management, ESP launched a program that integrates environmental sanitation with health and hygiene and sustainable agriculture.
- As part of World Water Day activities, children from 11 urban primary schools gathered at a primary school in Aur Village in Medan to learn about methods for purifying drinking water and the importance of hand-washing with soap.

Sumatra Utara. ESP terus memperluas aktivitas program dari 'hulu' sampai ke 'hilir'. Di hulu, aktivitas-aktivitas pertanian dan agro-kehutanan ditujukan pada hulu Daerah Aliran Sungai Deli di lereng Gunung Sibayak. Aktivitas-aktivitas ini termasuk pembentukan empat Sekolah Lapangan bagi Petani di bawah perjanjian bersama dengan Clemson University sebagai pemegang CSRP USAID, FIELD Foundation, dan Dinas Kehutanan Kabupaten Karo. Sementara itu, di 'hilir', ESP menyerahkan hibah kecil ke Yayasan Akar Rumput Laut untuk bekerja dengan masyarakat pesisir dalam menumbuhkan hutan bakau. Pada bulan Januari, para wanita dari sejumlah kelompok mitra ESP dan masyarakat berkumpul di pusat Kota Medan untuk lokakarya dengan tema "Pemberdayaan Perempuan dalam Pengelolaan Sumber Daya Alam." Topik-topik dalam lokakarya tersebut antara lain: (1) Perspektif jantina (gender) dalam manajemen sumber daya alam, (2) pengelolaan air bersih termasuk penggunaan 'Air Rahmat', (3) kesehatan dan kebersihan keluarga dan masyarakat, (4) pengomposan dan manajemen sampah padat, dan (5) pembentukan pembibitan pohon masyarakat. Salah satu hasil penting lokakarya yang produktif tersebut adalah pembentukan sebuah 'jaringan' para perempuan menambah panjang daftar mitra ESP di sepanjang Daerah Aliran Sungai Deli.

Sorotan lain triwulan ini untuk Sumatra Utara meliputi:

- Di Desa Tembung pada Sungai Percut, ESP bekerja sama dengan JBIC dan LSM lokal *Bis Perduli* dalam pelaksanaan kegiatan pengelolaan sampah padat. Dengan menggunakan titik masuk dari pengelolaan sampah padat perkotaan, ESP meluncurkan sebuah program yang memadukan sanitasi lingkungan dengan kesehatan dan kebersihan serta pertanian berkelanjutan.
- Sebagai bagian dari kegiatan Hari Air Sedunia, anak-anak dari 11 sekolah dasar perkotaan berkumpul di sebuah sekolah dasar di Desa Aur di Medan untuk belajar mengenai cara-cara memurnikan air minum dan pentingnya mencuci tangan dengan sabun.

- The GIS team provided support in mapping forest cover in key areas of the Deli Watershed and TAHURA Bukit Barisan areas, while also mapping administrative boundaries and forest functions for DAS Wampu in Langkat. This effort is part of ESP's expanded use of the 'Development Pathways' approach.
- Customers provided feedback to regional water utilities through Customer Satisfaction Surveys conducted jointly by ESP, the University of North Sumatra, and Municipal Water Companies Tirtanadi (Medan) and Tirta Wampu (Langkat).

West Sumatra. The major theme of the reporting period in West Sumatra was *consolidation*. In February three ESP specialists (Service Delivery, Community-based WATSAN, and GIS) transitioned to positions with the new ESP Regional Office in Central Java. Simultaneously, West Sumatra 'gained' a new Regional Advisor as the North Sumatra Advisor will now also provide guidance for the Padang office. Currently, a 'transition strategy' is being implemented where the three specialists make monthly visits to West Sumatra to complete outstanding activities while the program in West Sumatra works to consolidate its operations.

In the upstream areas of Greater Padang, ESP continued to build upon the inter-community network *Forum PEDAS*. This network comprises community groups in 10 sub-districts from the three major watersheds in Greater Padang. Beginning with tree nursery establishment, activities of the forum have moved to the creation of 'Learning Centers' for agro-forestry, research on organic vegetable growing, and 'eco-rice' Farmer Field Schools. Also, *Forum PEDAS*, with ESP support, planted 200 trees in Lambung Bukit Sub-District.

- Tim GIS memberikan dukungan dalam pemetaan tutupan hutan di wilayah-wilayah penting di Daerah Aliran Sungai Deli dan TAHURA Bukit Barisan, sekaligus juga memetakan batas-batas administratif dan fungsi hutan untuk DAS Wampu di Langkat. Upaya ini merupakan bagian dari penggunaan luas pendekatan "Jalur-Jalur Pembangunan" oleh ESP.
- Para pelanggan memberikan umpan balik kepada perusahaan air bersih regional melalui Survei Kepuasan Pelanggan yang dijalankan bersama oleh ESP, Universitas Sumatra Utara, dan Perusahaan Daerah Air Minum Tirtanadi (Medan) dan Tirta Wampu (Langkat).

Sumatra Barat. Tema utama dalam periode pelaporan ini bagi Sumatra Barat adalah *konsolidasi*. Pada bulan Februari, tiga spesialis ESP (Penyediaan Jasa Lingkungan, WATSAN berbasis masyarakat, dan GIS), melakukan transisi ke posisi-posisi di Kantor Regional ESP yang baru di Jawa Tengah. Bersamaan dengan itu, Sumatra Barat 'mendapatkan' seorang Penasihat Regional yang baru karena Penasihat Sumatra Utara sekarang juga menyediakan bimbingan bagi kantor Padang. Saat ini, sebuah 'strategi transisi' sedang dijalankan di mana ketiga spesialis melakukan kunjungan bulanan ke Sumatra Barat untuk menyelesaikan aktivitas-aktivitas yang masih belum selesai sementara program di Sumatra Barat bekerja untuk mengonsolidasikan operasionalnya.

Di wilayah hulu Padang Raya, ESP terus memperkuat jaringan antar komunitas *Forum Pedas*. Jaringan ini terdiri dari kelompok-kelompok komunitas di 10 kecamatan dari tiga sub-daerah aliran sungai besar di Padang Raya. Dimulai dari pembentukan pembibitan pohon, aktivitas forum ini telah mencapai pembentukan 'Pusat-Pusat Belajar' untuk agro-kehutanan, penelitian untuk penanaman sayuran secara organik dan Sekolah Lapangan untuk Petani 'eco-rice' (padi organik). Selain itu, *Forum PEDAS* dengan dukungan ESP, menanam 200 pohon di kecamatan Lambung Bukit.

Other quarterly highlights in West Sumatra included:

- ESP continued to work closely with Municipal Government Services this quarter to further energize the “Padang Clean and Green City” Campaign. The City’s Parks and Sanitation Services are the primary strategic partners thus far, having undertaken activities such as the planting of 200,000 betel-nut within a 400 ha area comprising major riverbanks in the city.
- In January a public dialogue was held to discuss the results of the ESP-facilitated Consumer Satisfaction Survey for water services.
- A training to build GIS internal capacity was held in January for PDAM and BAPPEDA Padang.
- Multi-Media Campaign No.3 on “Water Point of Use” was also held this quarter, focusing on the preparation, use, and storage of safe water. The resulting news coverage in West Sumatra included 4 articles, 4 advertisements, 1 radio talk show, 1 TV talk show, and 1 TV news segment.

West Java/DKI Jakarta. ESP activities in West Java are currently at full speed in existing locations as well as expanding into new locations. In the upstream areas, the land rehabilitation initiatives in the districts of Subang and Cianjur continued in collaboration with local stakeholders. A total of 16,000 seedlings were planted on approximately 8,000 hectares of critical land by farmers in these sub-watershed areas of Subang and Cianjur, benefiting some 2,500 farmers. In the downstream areas, the PDAMs also continued to support these efforts by providing incentives to protect their water resources. To assist in the protection of the Cibulakan Spring in the village of Cijemabe, the PDAM of Subang provided an incentive of Rp 1.4 billion to free-up 5 hectares of land. The local Forestry Department also provided 7.5 kilograms of

Sorotan lain triwulan ini untuk Sumatra Barat meliputi:

- ESP melanjutkan kerjasama erat dengan berbagai dinas Pemerintah Kota di triwulan ini untuk semakin jauh mendorong Kampanye “Padang Kota Bersih dan Hijau.” Dinas Taman dan Kebersihan Kota adalah mitra strategis utama sejauh ini, telah menjalankan aktivitas-aktivitas seperti penanaman 200.000 pohon pinang di wilayah seluas 400 hektar yang terdiri dari bantaran sungai-sungai utama di kota ini.
- Pada bulan Januari, sebuah dialog masyarakat telah dijalankan untuk mendiskusikan hasil-hasil Survei Kepuasan Pelanggan untuk jasa layanan air yang difasilitasi oleh ESP.
- Sebuah pelatihan untuk membangun kemampuan GIS internal sudah dijalankan pada bulan Januari untuk PDAM dan BAPPEDA Padang.
- Kampanye Multi Media No. 3 bertajuk “Pengelolaan air minum sehat di kalangan pelanggan” juga dijalankan pada triwulan ini, terfokus pada persiapan, penggunaan, dan penyimpanan air minum yang sehat. Liputan berita yang diperoleh di Sumatra Barat termasuk 4 artikel, 4 iklan, 1 acara bincang-bincang radio, 1 acara bincang-bincang TV, dan 1 segmen berita TV.

Jawa Barat/DKI Jakarta. Aktivitas-aktivitas ESP di Jawa Barat saat ini sedang berjalan dengan kecepatan penuh di lokasi-lokasi yang telah berjalan dan juga sedang berkembang ke lokasi-lokasi baru. Di daerah-daerah hulu, kegiatan rehabilitasi tanah di kabupaten Subang dan Cianjur dilanjutkan dengan bekerja sama dengan para pemangku kepentingan lokal. Sebanyak 16.000 bibit pohon telah ditanam pada wilayah lahan kritis seluas kira-kira 8.000 hektar oleh para petani di wilayah-wilayah sekitar daerah aliran sungai di Subang dan Cianjur, sehingga memberikan manfaat bagi sekitar 2.500 petani. Di wilayah-wilayah hilir, PDAM juga terus mendukung upaya-upaya ini dengan menyediakan insentif bagi perlindungan sumber daya air. Untuk membantu perlindungan Mata Air Cibulakan di Desa Cijemabe, PDAM Subang menyediakan sebuah insentif sebesar Rp 1,4 miliar untuk membebaskan 5 hektar tanah. Departemen

seeds in support of the rehabilitation activities.

Other cross-cutting activities such as public outreach and communication and health and hygiene also moved rapidly forward this quarter. In cooperation with other ESP and BHS Teams, the ESP Public Outreach and Communication Team and Health and Hygiene Team successfully implemented a number of national and local events related to clean and healthy water. For example, ESP carried out a “Water Testing Day” in West Java and DKI Jakarta to disseminate information on obtaining clean and healthy potable water at home. Similarly, in collaboration with USAID partner Aman Tirta, a “Water Point of Use” campaign was implemented in DKI Jakarta, Banten and Bandung. Also, an event commemorating “World Water Day 2006” was conducted at Monas in DKI Jakarta on March 26, 2006. Attended by some 1,300 children, the event received a positive response from the Governor of DKI Jakarta as well as the media.

Finally, the ESP Municipal Finance Team completed or is currently engaged in several noteworthy feasibility studies for capital investments in West Java. Overall, the proposed investments could potentially supply 180,000 new household connections across the Municipality of Cirebon, the District of Bogor, Kota Bandung, and Kabupaten Tangerang.

Other quarterly highlights in West Java included:

- The Household Survey of 30,000 customers (50% conducted by ESP) in the District of Purwakarta was completed this quarter. The results of the study will help the PDAM address non-revenue water problems and improve its financial position.
- In collaboration with Health and Hygiene and Public Outreach Teams, the Service Delivery Team conducted a Community-Based Solid Waste Management training for NGOs in

Kehutanan setempat juga menyediakan 7,5 kilogram bibit untuk mendukung aktivitas-aktivitas rehabilitasi.

Aktivitas-aktivitas yang berjangkauan luas lainnya seperti jangkauan publik dan komunikasi serta kesehatan dan kebersihan juga mengalami kemajuan pesat pada triwulan ini. Dengan melakukan kerja sama dengan tim BHS lainnya, Tim Jangkauan Publik dan Komunikasi serta Tim Kesehatan dan Kebersihan ESP berhasil menjalankan sejumlah kegiatan nasional dan lokal berkaitan dengan air yang bersih dan sehat. Sebagai contoh, ESP melaksanakan “Hari Uji Air” di Jawa Barat dan DKI Jakarta untuk menyebarkan informasi tentang cara mendapatkan air minum yang bersih dan sehat di rumah. Mirip dengan itu, bekerja sama dengan mitra USAID Aman Tirta, sebuah kampanye “Pengelolaan Air Minum yang Sehat di Kalangan Pelanggan” telah dijalankan di DKI Jakarta, Banten dan Bandung. Juga, sebuah acara memperingati “Hari Air Sedunia 2006” telah dijalankan di Monas, DKI Jakarta pada 26 Maret 2006. Dihadiri oleh sekitar 1.300 anak, acara ini mendapatkan respon positif dari Gubernur DKI Jakarta dan juga media massa.

Terakhir, Tim Pembiayaan Jasa Lingkungan ESP telah menyelesaikan atau saat ini sedang menjalankan sejumlah studi kelayakan penting untuk investasi-investasi di Jawa Barat. Secara keseluruhan, investasi yang diusulkan secara potensial bisa memasok 180.000 sambungan rumah tangga baru di Kota Cirebon, Kabupaten Bogor, Kota Bandung, dan Kabupaten Tangerang.

Sorotan lain triwulan ini untuk Jawa Barat/DKI Jakarta meliputi:

- *Survei Rumah Tangga 30.000 pelanggan PDAM (50% dijalankan oleh ESP) di Kabupaten Purwakarta telah diselesaikan triwulan ini. Hasil dari penelitian ini akan membantu PDAM dalam mengatasi masalah air yang tidak tertagih dan meningkatkan kondisi keuangannya.*
- *Bekerja sama dengan Tim Kesehatan dan Kebersihan serta Tim Jangkauan Publik, Tim Penyediaan Jasa Lingkungan menjalankan sebuah pelatihan Pengelolaan Sampah Padat Berbasis*

Bandung on March 22-23, 2006.

Central Java. ESP hit the ground running in its newest regional office in the High Priority Provinces of Central Java and Special District Yogyakarta (DIY). With the transfer of five staff from other ESP regional offices plus the newly recruited administrative and watershed management teams, the Central Java/DIY team was able to quickly mobilize the office and conduct a series initial meetings to introduce ESP and learn about the many stakeholders already active in the Progo Watershed. Notably, the numerous introductory meetings and data collection process revealed that there is a plethora of existing data, reports, recommendations, and even a Grand Design Master Plan for the Progo Watershed (developed by Bapedalda Central Java, Bapedalda Special District Yogyakarta, and the University of Gajah Mada Faculty of Geography). The stakeholders consulted voiced that the single greatest role that ESP could play in the Progo Watershed would be to assist with the implementation of some of the existing recommendations and plans at the village level using a community-based approach.

One of the principal activities of the quarter was the development of a structured, integrated, and rapid site selection process to identify several kabupaten and sub-watersheds within the Progo Watershed in which ESP could begin work. While some ESP activities will take place in other kota and kabupaten in Central Java and DIY, ESP selected Kabupaten Magelang as the initial entry point for ESP Integrated Activities. Kabupaten Magelang is in the middle Progo watershed and contains three sub-watersheds (Elo, Tangsi, and Blongkeng) that represent an ideal entry point for all ESP components to work together.

Masyarakat untuk LSM-LSM di Bandung pada 22-23 Maret 2006.

Jawa Tengah. ESP mulai berjalan di kantor regionalnya yang terbaru di Jawa Tengah dan Daerah Istimewa Yogyakarta (DIY) yang termasuk sebagai Provinsi Utama. Dilakukannya pemindahan lima staf dari kantor-kantor regional ESP yang lain ditambah tim administrasi dan pengelolaan daerah aliran sungai yang baru direkrut, tim Jawa Tengah/DIY telah bisa dengan cepat menggerakkan kegiatan dan menjalankan serangkaian pertemuan awal untuk memperkenalkan ESP sekaligus mengenal berbagai pemangku kepentingan yang telah aktif di daerah aliran sungai Progo. Yang patut dicatat, berbagai rapat dan proses pengumpulan data awal mengungkapkan bahwa ada banyak data yang telah tersedia, laporan-laporan, rekomendasi-rekomendasi, dan bahkan sebuah Rancangan Utama Besar untuk Daerah Aliran Sungai Progo (dikembangkan oleh Bapedalda Jawa Tengah, Bapedalda Daerah Istimewa Yogyakarta, dan Fakultas Geografi Universitas Gajah Mada). Para pemangku kepentingan yang diajak bicara menyatakan bahwa peran terbesar yang bisa dimainkan oleh ESP di Daerah Aliran Sungai Progo adalah untuk membantu pelaksanaan sejumlah rekomendasi dan rencana yang telah ada pada tingkat desa dengan memanfaatkan pendekatan berbasis masyarakat.

Salah satu aktivitas utama pada triwulan ini adalah pengembangan sebuah proses pemilihan lokasi yang terstruktur, terpadu dan cepat untuk mengidentifikasi beberapa kabupaten dan wilayah sekitar aliran sungai di Daerah Aliran Sungai Progo yang bisa dijadikan awal pekerjaan bagi ESP. Sekalipun sebagian kegiatan ESP akan berjalan di kota-kota dan kabupaten-kabupaten lain di Jawa Tengah dan DIY, ESP memilih Kabupaten Magelang sebagai titik awal bagi Aktivitas Terpadu ESP. Kabupaten Magelang berada di bagian tengah daerah aliran sungai Progo dan terdiri dari tiga sub-daerah aliran sungai (Elo, Tangsi, dan Bongkeng) yang merupakan sebuah titik awal yang ideal bagi kerja sama antara semua komponen ESP.

Other quarterly highlights in Central Java included the following:

- Five PDAMs were selected to receive ESP's technical assistance: Kota Yogyakarta, Kota Surakarta, Kabupaten Magelang, Kota Magelang, and Kabupaten Sleman. The Municipal Finance Team will work in the first three PDAM, while the Service Delivery team will work in all five.
- Two hydrogeologists (Short-term consultant Phil Brown and long-term ESP staff member Asep Mulyana) conducted a Water Resources Scoping Study to inform the development of the Central Java workplan.
- A two-day study tour was conducted for a visiting delegation from PDAM Kota Bandung to learn from PDAMs Kabupaten Magelang's, Kota Magelang's, and Kota Solo's four year experiences with automatic tariff increases.

East Java. The fourth quarter for the East Java Program was one of consolidation of initiatives commenced towards the end of 2005. These activities focused on community mobilization in watershed management, waste, sanitation, as well as behavior change in personal hygiene practices. Each of these areas saw significant milestones achieved during the reporting period.

In watershed management, the first upper Brantas land care group, *Fokal Mesra*, was formed as an outcome of the livelihoods assessment and training implemented by ESP East Java in the previous quarter. A presentation to the Batu Mayor and heads of the government agencies resulted in its formal endorsement, local government financial support, and a commitment to implement many of the recommendations requiring government action that emerged from the 14 village planning groups. These recommendations extended across the scope of ESP interests, from water management and supply to waste and sanitation. For example, in Torong Rejo Village 1000 trees have been

Sorotan-sorotan triwulan lainnya di Jawa Tengah antara lain:

- Lima PDAM telah dipilih untuk menerima bantuan teknis ESP: Kota Yogyakarta, Kota Surakarta, Kabupaten Magelang, Kota Magelang, dan Kabupaten Sleman. Tim Pembiayaan Jasa Lingkungan akan bekerja dengan tiga PDAM yang pertama, sementara tim Penyediaan Jasa Lingkungan akan bekerja dengan kelima PDAM tersebut.
- Dua ahli hidrogeologi (konsultan jangka pendek Phil Brown dan anggota staf ESP jangka panjang Asep Mulyana) menjalankan sebuah Penelitian Jangkauan Sumber Daya Air untuk memberikan masukan bagi pengembangan rencana kerja Jawa Tengah.
- Sebuah studi banding dua hari telah dijalankan bagi para delegasi yang datang dari PDAM Kota Bandung untuk mempelajari pengalaman empat tahun PDAM Kabupaten Magelang, Kota Magelang, dan Kota Solo dalam melakukan kenaikan tarif otomatis.

Jawa Timur. Triwulan keempat Program Jawa Timur dijalankan dengan konsolidasi kegiatan-kegiatan yang dilakukan pada akhir tahun 2005. Aktivitas-aktivitas ini terfokus pada penggerakan masyarakat dalam pengelolaan daerah aliran sungai, sampah, kebersihan, dan juga perubahan perilaku dalam praktek-praktek kebersihan pribadi. Masing-masing bidang ini mencapai titik jangkauan penting dalam periode pelaporan ini. Dalam pengelolaan daerah aliran sungai, kelompok perawatan tanah pertama di hulu sungai Brantas, *Fokal Mesra*, telah dibentuk sebagai hasil dari penilaian mata pencarian dan pelatihan yang dijalankan oleh ESP Jawa Timur di triwulan sebelumnya. Presentasi di hadapan Walikota Batu dan pimpinan dinas-dinas pemerintahan telah menghasilkan dukungan resmi, dukungan keuangan pemerintah lokal, dan komitmen untuk mengimplementasikan sebagian rekomendasi yang membutuhkan tindakan pemerintah yang muncul dari 14 kelompok perencanaan desa. Rekomendasi-rekomendasi ini meliputi jangkauan minat/mandat ESP, mulai dari pengelolaan dan pasokan air hingga masalah sampah dan kebersihan. Sebagai contoh, di desa

planted along the roadways, while in Tulung Rejo a further 5000 trees have been planted. In Wukir, 2.5 km of water pipe have been constructed extending water to 175 households. Also, in Temas piped water has been provided to a further two sub-villages.

In the past three months important progress was made in partnerships with major water utilities across the region. For example, ESP concluded the first phase of its nonrevenue water (NRW) work with PDAM Kota Malang. The project focused on quantifying NRW for Pondok Belimbing Indah, Dinoyo Lama-I, and Tidar which collectively serve around 6000 connections. Additionally, agreement was also reached for a partnership with the Surabaya PDAM, the largest in the Province.

ESP also completed this quarter intensive village level training in improved personal hygiene through the *Hand Washing with Soap Campaign*. The three month duration training activities in Wonokromo (Surabaya) and in Dinoyo and Mergosono (Malang) targeted community health volunteers and key community leaders (such as teachers and religious leaders) who extended the message of care and cleanliness to 4,000 families. Importantly, data from the Posyandu and Puskesmas in Wonokromo, Dinoyo and Mergosono, show that the incidence of diarrhea in these locations has declined as the ESP East Java Campaign unfolded during the last quarter.

Finally, regarding public outreach activities as a whole, ESP has maintained records since March 2005 of the numbers of articles dealing with ESP issues appearing in six newspapers with provincial distribution (ESP has been actively working in East Java since April 2005). Analysis of these data has shown an increase from nine articles in March 2005 to 70 in April 2005. Since that time the number of articles per month has averaged 57. Significantly, these figures have been highest during the Multi-Media Campaigns, reaching 88 for MMC 1, 115 for MMC 2, and 120 for MMC 3.

Torong Rejo, 1.000 pohon telah ditanam di sepanjang jalan, sementara di Tulung Rejo telah ditanam pula 5.000 pohon lain. Di Wukir, pipa air sepanjang 2,5 km telah dipasang untuk memperluas jaringan air ke 175 rumah tangga. Selain itu, di Temas, pipa air telah disediakan bagi dua dukuh lainnya.

Pada tiga bulan terakhir ada kemajuan penting pada kemitraan dengan perusahaan air minum daerah di wilayah ini. Sebagai contoh, ESP telah menyelesaikan fase pertama pekerjaan air yang tidak tertagih (non revenue water/NRW) dengan PDAM Kota Malang. Proyek ini berfokus pada kegiatan menghitung jumlah NRW di Pondok Belimbing Indah, Dinoyo Lama-I dan Tidar yang seluruhnya melayani sekitar 6.000 sambungan. Selain itu, juga telah dibentuk sebuah kesepakatan untuk kemitraan dengan PDAM Surabaya, yang merupakan PDAM terbesar di provinsi ini.

ESP pada triwulan ini juga telah menyelesaikan pelatihan intensif tingkat desa dalam hal perbaikan kebersihan pribadi melalui Kampanye Mencuci Tangan dengan Sabun. Aktivitas pelatihan dalam jangka waktu tiga bulan di Wonokromo (Surabaya) dan di Dinoyo dan Mergosono (Malang) tersebut ditujukan kepada para sukarelawan kesehatan masyarakat dan pemuka masyarakat kunci (seperti guru dan ulama/pemimpin keagamaan) yang menyebarkan pesan perawatan kebersihan kepada 4.000 keluarga. Lebih penting lagi, data dari Posyandu dan Puskesmas di Wonokromo, Dinoyo dan Mergosono, menunjukkan bahwa kejadian diare di wilayah-wilayah ini telah menurun saat Kampanye oleh ESP dijalankan pada triwulan lalu. Akhirnya, dalam hal aktivitas jangkauan publik,

ESP telah mencatat jumlah artikel menyangkut isu-isu ESP sejak Maret 2005 yang muncul di enam surat kabar yang memiliki distribusi tingkat provinsi (ESP telah bekerja aktif di Jawa Timur sejak April 2005). Analisis dari data ini telah menunjukkan sebuah kenaikan dari sembilan artikel pada Maret 2005 menjadi 70 pada April 2005. Sejak saat itu, jumlah artikel tiap bulan rata-rata mencapai 57 artikel. Angka-angka ini mencapai titik tertinggi sepanjang Kampanye Multi Media, mencapai 88 saat KMM 1, 115 pada KMM 2, dan 120 pada KMM 3.

Other quarterly highlights in East Java included the following:

- ESP supported and contributed input to public consultation in the development of a draft Governor's Proclamation to institutionalize the transfer of money from water users in the lowlands to watershed land managers in the uplands.
- A World Water Day celebration with students from 36 schools and community groups was conducted in March. 900 people came together with ESP, the Surabaya Education Department and the Pring Woeleong Environmental Education Center to celebrate World Water Day with the Mayor and other public figures.

Special Concern Imperative Areas. In the Special Concern Imperative Area of **Balikipapan** discussions with the Bappeda continued this quarter regarding the proposed scope of work for the municipal bond issue. The bond issue is likely to cover the requirements of the municipality for additional water harvesting from the watershed in amounts that are approximately two to three times in excess of the volume of water currently available.

Also, in **Manado**, ESP moved forward with the household census for the city's PDAM to collect much needed data regarding water and sanitation facilities, current problems and technical issues, the condition of water meters, and customer classification. A competitive tender for the census was completed this quarter, with De la Salle University selected as the implementing agent. Notable, the cost of the PDAM Manado household census will be implemented under a 50-50% cost-sharing arrangement with WMD, the Dutch Water Utility working in Eastern Indonesia.

Sorotan-sorotan triwulan lainnya di Jawa Timur antara lain:

- ESP mendukung dan memberikan masukan bagi konsultasi publik dalam pengembangan sebuah rancangan Ketetapan Gubernur untuk melembagakan transfer keuangan dari pengguna-pengguna air di wilayah dataran rendah ke para pengelola tanah daerah aliran sungai di dataran tinggi.
- Peringatan Hari Air Sedunia telah dijalankan dengan dihadiri para siswa dari 36 sekolah dan kelompok masyarakat pada bulan Maret. 900 orang berkumpul bersama ESP, Dinas Pendidikan Surabaya dan Pusat Pendidikan Lingkungan Pring Woeleong untuk memperingati Hari Air Sedunia dengan Walikota dan para pemuka masyarakat lainnya.

Wilayah Perhatian Khusus Di Wilayah Perhatian Khusus **Balikipapan**, pembicaraan dengan Bappeda dilanjutkan triwulan ini menyangkut usulan jangkauan pekerjaan untuk penerbitan obligasi pemerintah kota. Penerbitan obligasi ini terutama untuk menutup kebutuhan pemerintah kota untuk pembangunan pengolahan air tambahan dari daerah-daerah aliran sungai yang jumlahnya kira-kira dua atau tiga kali volume pengolahan air yang telah ada.

Selain itu, di **Manado**, ESP terus menjalankan sensus rumah tangga bagi PDAM kota tersebut untuk mengumpulkan data yang amat diperlukan menyangkut fasilitas air dan kebersihan, masalah-masalah dan isu-isu teknis, kondisi meteran air, dan klasifikasi pelanggan. Sebuah tender terbuka untuk pelaksanaan sensus tersebut telah dijalankan triwulan ini, di mana De la Salle University telah terpilih sebagai pihak pelaksana. Yang patut dicatat, biaya sensus rumah tangga PDAM Manado akan ditanggung bersama 50%-50% dengan WMD, Perusahaan Air Minum Belanda yang bekerja di Indonesia Timur.

NATIONAL & PROGRAM MANAGEMENT UPDATES

National Highlights. Under the **Municipal Finance Component** ESP sponsored the attendance of six key officials from Ministry of Forestry, Ministry of Home Affairs, Coordinating Ministry for People's Welfare and BAPPENAS for a water revolving fund workshop in Manila, Philippines on February 20, 2006. The workshop provided a good opportunity for Government of Indonesia partners to learn more about the organization and operation of water revolving funds, a concept that is currently being considered for implementation in Indonesia. Also, ESP in January ESP concluded an independent evaluation of a small pilot micro-credit program designed to finance lower income households, implemented by Bank Rakyat Indonesia ("BRI") in the district of Tanah Datar in West Sumatra. Based on the positive results achieved by the bank, the ESP Finance Team is in the midst of a dialogue with the same institution to roll out a much larger program to selected utilities in Java and Sumatra.

Under the **Watershed Management and Biodiversity Conservation Component** a series of interrelated short-term consultancies continued or concluded this quarter to strengthen overall delivery of component activities in the field and at the policy level. Dr. Darrell Kitchener continued to provide technical support on strengthening biodiversity conservation activities in WSM component work. Mr. Chris Bennett worked with the WSM Group to better understand technical and policy opportunities and constraints impacting ESP reforestation and land rehabilitation initiatives. Finally, Mr. Sean Foley, Mr. Nugroho, and Mr. Wahyu worked with ESP WSM and Agroforestry staff on the design of a Training of Trainers (TOT) program necessary to train-up at least thirty Field Assistants and program partners to facilitate WSM Field Schools in ESP's HPPs.

LAPORAN KEMAJUAN NASIONAL & PENGELOLAAN PROGRAM

Sorotan Nasional. Di bawah **Komponen Pembiayaan Jasa Lingkungan, ESP** mensponsori keikutsertaan enam pejabat penting dari Departemen Kehutanan, Departemen Dalam Negeri, Kementerian Koordinasi Kesejahteraan Rakyat dan BAPPENAS untuk lokakarya dana bergulir air di Manila, Filipina pada 20 Februari 2006. Lokakarya ini memberikan sebuah peluang baik bagi para mitra Pemerintah Indonesia untuk belajar lebih banyak mengenai pembentukan dan pengelolaan dana bergulir air, sebuah konsep yang saat ini sedang dipertimbangkan untuk dijalankan di Indonesia. Selain itu, pada bulan Januari ESP telah menyelesaikan sebuah evaluasi independen mengenai proyek percontohan kecil untuk program kredit mikro yang dirancang untuk memberikan bantuan pembiayaan bagi rumah tangga berpendapatan rendah, yang diimplementasikan oleh Bank Rakyat Indonesia ("BRI") di Kabupaten Tanah Datar di Sumatra Barat. Berdasarkan hasil-hasil positif yang dicapai oleh bank tersebut, Tim Pembiayaan ESP sedang menjalankan dialog dengan lembaga tersebut untuk meluncurkan program yang jauh lebih besar pada sejumlah perusahaan air minum di Jawa dan Sumatra.

Di bawah **Watershed Management and Biodiversity Conservation (Komponen Pengelolaan Daerah Aliran Sungai dan Pelestarian Keanekaragaman Hayati)**, serangkaian konsultasi jangka pendek yang saling berkaitan telah dilanjutkan atau diselesaikan pada triwulan ini untuk memperkuat pelaksanaan aktivitas-aktivitas komponen ini di lapangan dan di tingkat kebijakan. Dr. Darrell Kitchener terus memberikan bantuan teknis untuk memperkuat kegiatan-kegiatan pelestarian sumber daya hayati di pekerjaan komponen WSM. Pak Chris Bennet bekerja dengan Kelompok WSM untuk mencari pemahaman lebih baik mengenai peluang dan hambatan teknis maupun kebijakan yang mempengaruhi inisiatif-inisiatif penghijauan dan rehabilitasi tanah ESP. Terakhir, Pak Sean Foley, Pak Nugroho, dan Pak Wahyu bekerja dengan staf WSM dan Agroforestry ESP untuk merancang sebuah program Training of Trainers (Pelatihan Bagi Pelatih) yang perlu dijalankan untuk melatih paling tidak tiga puluh Asisten Lapangan dan mitra

Cooperation with the Regional Program of Eco-Asia, a USAID Regional Development Mission initiative, began with ESP allocating space within its Jakarta Project Management office for the Eco-Asia Indonesia representative to be based. This will facilitate continuous and effective communication and cooperation between these two important programs.

In the cross-cutting theme at Health and Hygiene Behavior Change, ESP took major strides toward relating the targeted outcome of reduced incidence of diarrhea in children. Under three years old to all major component tasks of the project. Environmental Health Specialist, Dr. Chris McGahey visited field locations, observed actual field activities and spoke with ESP practitioners and community participants alike before formulating recommendations to further improve and emphasize the health message.

program untuk memberikan fasilitasi di Sekolah Lapangan WSM di berbagai provinsi utama ESP.

Kerja sama dengan Program Regional Eco-Asia, sebuah inisiatif Misi Pembangunan Regional USAID, telah dimulai dengan penyediaan ruangan di kantor Pengelolaan Proyek Jakarta bagi perwakilan Eco-Asia Indonesia. Hal ini akan mendorong komunikasi dan kerja sama yang terus menerus dan efektif antara dua program penting ini.

Dengan tema luas Perubahan Perilaku Kesehatan dan Kebersihan, ESP telah mengambil langkah-langkah besar menuju upaya mencapai penurunan kejadian diare pada anak-anak di bawah usia tiga tahun bagi semua komponen utama dari proyek ini. Spesialis Kesehatan Lingkungan, Dr. Chris McGahey telah mengunjungi lokasi-lokasi di lapangan, mengamati aktivitas-aktivitas lapangan dan bekerja dengan para pelaksana ESP dan peserta dari masyarakat sebelum menyusun rekomendasi untuk meningkatkan dan menekankan pesan kesehatan ini.

SECTION 2

ESP REGIONAL UPDATES

INTRODUCTION

In this Section, we present a more detailed account of the Program's activities and achievements during this quarter. This Section is divided into the following Subsections:

- Section 2.1 Nanggroe Aceh Darussalam**
- Section 2.2 North Sumatra**
- Section 2.3 West Sumatra**
- Section 2.5 Central Java**
- Section 2.6 East Java**
- Section 2.7 Special Concern Imperative Areas**

SECTION 2.1.

NANGGROE ACEH DARUSSALAM

INTRODUCTION

The afflictions that Aceh has undergone, both natural and manmade, have undermined the social fabric of villages in both coastal and interior areas of the province. Working in communities to create sustainable solutions to watershed and community water and sanitation problems also means having to contribute to communities' re-creation of themselves. From January through March, ESP/Aceh became more deeply involved in community based activities than during any previous quarter. The principle avenues for this involvement were the Sustainable Livelihood Assessments (SLA) conducted by the Watershed Management (WSM) and Environmental Service Delivery (SD) teams, collaboration with USAID partners, and the provision of technical assistance to NGOs in Aceh.

A total of six SLAs were conducted during the quarter. Along with the SLA conducted in Blang Lambaro in Aceh Besar and the earlier participatory surveys conducted in Lamkruet and Nusa (also in Aceh Besar), this meant that ESP began or continued programs in nine villages during the quarter. SLAs have not only enabled ESP/Aceh to get a holistic view of communities, but the participatory and empowering nature of these activities has also helped people to work together as communities to plot actions to overcome critical problems.

Collaboration with USAID partners took two forms: technical assistance and renovation. A new activity began taking shape in the Meureboh sub-district outside of Meulaboh. LGSP, ESP, and HSP are combining to develop spatial and water and sanitation plans for resettlement areas that are to be built with BRR funding. The planning activity involves perspective community members. ESP also continued its common work with HSP on health facilities in Banda Aceh and Aceh Besar. Facilities renovated during the last quarter show a marked increase in usage.

ESP provided technical assistance to a number of NGOs in Aceh in a variety of contexts. ESP helped Mercy Corps, for example, with a design for solving a wastewater problem in one of the Temporary Living Centers (TLC) that they are supporting. ESP also contributed vetiver grass from one of its experimental plots in support of the project. ESP began developing plans for the water and sanitation facilities for a resettlement scheme to be constructed by Caritas in Meulaboh. CARE water and sanitation staff along with ESP began the development of a septic tank/sub-surface wetland making use of fiberglass for the constructed parts of the systems. The units will first be utilized in Nusa where ESP/Aceh has community water and sanitation program.

REGIONAL ACTIVITIES

Supporting NGO's and People in Transition in Aceh. ESP/Aceh offers technical assistance to NGO's in Aceh to solve their water and sanitation problems, whether in the context of Temporary Living Centers (TLC) or in the construction of new housing. ESP's collaboration with Mercy Corps this quarter provides a notable example of this important role.

Mercy Corps came to ESP with a problem concerning Temporary Living Centers (TLCs). Currently, Mercy Corps is managing water and sanitation for several TLCs in the vicinity of Banda Aceh. The TLC of Lamujong in Baitussalam Sub-district of Aceh Besar has had a chronic waste water problem. Gray water from kitchens, showers, and laundry areas had been flowing into an adjacent wetland area along with overflow (black water) from septic tanks causing water pollution as well as creating mosquito breeding sites, unpleasant odors, and a threat to public health. Norman Van't Hoff, ESP's perma-culture specialist, helped them solve their problem. Norman suggested a "nutrient harvesting leach-field" (NHLF), as an inexpensive, easy to construct, low technology and low maintenance solution.



ESP BANDA ACEH/NAD

The perforated pipes of the NHLF before being buried.

Essentially, the solution called for collecting the gray and black water flowing off the site in two separate pipes which carry the water to the NHLF. The NHLF was created by digging a large trench 10 meters long by 1 meter wide and 1 meter in depth. The trench was partially filled by selected granular material. The two pipes carrying gray and black water run into the leach field where they were connected to perforated pipes that run the length of the trench. The perforations were near the topside of the pipes to allow the pipes to nearly fill before trickling out their content.

The trench was then filled with gravel and topped-up with coarse, organic wastes (such as coconut leaves). The NHLF was then planted with bananas and other plants. The plants filter or harvest out nutrients (the no. 1 pollutant in waterways) from the wastewater as it flows through the gravel from the perforated pipes. The NHLF was constructed at a higher level so that nutrient laden water flows in the direction of the wetlands. To trap the nutrients flowing from the NHLF to the wetland and to stabilize the bank, rows of Vetiver grass (*akar wangi*) were planted along the adjacent embankment.

While many NGO's feel the need to pay "cash for work," people will contribute their labor if they can see that there is a benefit for them and the work is not of an extended nature. Several meetings were held both to explain potential solutions and to involve people in planning out the construction work. Local residents were not only happy to contribute

their labor, but also began discussing how similar systems could be installed in the houses that are being built for them near the TLC.

Revisiting Blang Lambaro.

Near the end of the last quarter, an SLA was conducted in Blang Lambaro. During the SLA, participants discussed their lack of access to clean water and the need for septic systems. Since the completion of the SLA, the World Bank funded Kecamatan Development Program (KDP) began activities in Aceh and ESP trained five Blang Lambaro residents as facilitators for water and sanitation activities in the village. With the earlier input from the SLA—which included a simple plan for a distribution system—the community was able to obtain a 180,000,000 Rupiah grant from KDP to construct a distribution system.



ESP BANDA ACEH/NAD

The NHLF after construction with vetiver along its edge. Bananas and papaya will be planted on top of the NHL.

ESP/Aceh conducted a two day Rapid Technical Assessment (RTA) of existing conditions in clean water and waste water management in the community. This participatory assessment team was made up of village facilitators that had earlier been trained by ESP/Aceh plus other village residents and the WSM/SD teams. The goal of the RTA was to help community members learn about water distribution systems and septic systems and establish an action plan that reflected both the needs and wishes of the community and included practical technical solutions.



ESP BANDA ACEH/NAD

This woman is washing clothes in the irrigation trench that carries clean water through Blang Lambaro. A hose, anchored in the water and appearing at the edge of the road just above center, carries water to her house.

The assessment resulted in several agreements around a distribution system for clean water and specific ESP follow-up to assure that the community will not only be able to install the system but to operate and manage it. The system will include an intake that draws water from a Public Works-built irrigation sluice that carries water from a spring on the slopes of Mt. Seulawah through the community, a slow sand filter, and cisterns with a capacity of 1 cubic meter that can be accessed by several families at a time. The work plan that was developed for the clean water program includes measurement of piping needs, determining slopes, participatory-planning for laying out the system, building the system, and training in operation and maintenance of the system. The major source of funds will be the KDP and residents carry out the work.



ESP BANDA ACEH/NAD

This is the house of the woman washing clothes. The hose from the irrigation trench runs to the back of her house and into the household's toilet at right, a simple pit latrine. This is a typical water and sanitation system in Blang Lambaro.

The major source of funds will be the KDP and residents carry out the work.

The team working on waste water management decided that the first priority was to build eight communal washing, bathing, and toilet sites (MCK). The team decided that individual septic systems were the responsibility of households (ESP would help with plans). ESP is committed to building the MCKs with the contributed labor of the community. A work plan was developed for this that included not only a participatory planning activity, but also training in the operation and management of the MCKs. A wide-ranging set of agreements were established related to both the clean water and waste water management programs. Agreements included creating management teams for both systems and the collection of user fees.

OTHER HIGHLIGHTS

The following are additional highlights from other ESP/Aceh activities over the reporting period.

- **PDAMs.** The major activity in PDAMs during the quarter was the preparation of Standard Operating Procedures (SOPs) with PDAMs in Banda Aceh and Meulaboh. Other activities included conducting a study tour to PDAM Tirtanadi in Medan for a team from Tirta Montala, Aceh Besar. Upon their return, the Tirta Montala team immediately began to make changes in their operations. Laboratory equipment was

installed in Tirta Meureboh in Meulaboh and staff were trained in the use of the equipment. Tirta Daroy in Banda Aceh completed its financial report for 2005 with ESP/Aceh assistance. Also, the census for Tirta Daroy began and will run several

months. Finally, training was conducted in water quality monitoring for Tirta Montala and Tirta Daroy.

- **Lamkruet.** A training in the management of water and sanitation was conducted for village facilitators (along with those from two other villages). One of these facilitators plus a small team of residents were trained to operate the “Perfactor” water treatment unit. Bids were accepted for the contract to build the sub-surface sanitation pilot. Also, land clearing began for the vetiver program.
- **Hydrology.** A short-term consultant in water resources and hydrology conducted a workshop entitled, ‘Introduction to Hydrological Survey Equipment’ for local NGOs and Forestry Department staff. The consultant established a digital weather data collection station at the ESP office in Banda Aceh to determine its suitability as a remote data sensor; conducted water quality tests (conductivity tests) in Jruk Balee finding high levels of dissolved metals and/or salinity; and began negotiations with the Bureau of Meteorology and Geophysics over placement, use, and maintenance of major weather data collection equipment in the airports of Meulaboh and Banda Aceh.
- **Sustainable Livelihoods Assessments.** The SLA team made up of Field Assistants and Technical Specialists from both the WSM and ESD components conducted a total of six SLAs during the quarter. In DAS Krueng Aceh the SLAs were conducted in the communities of Jantho Baru and Jruk Balee. In the coastal Krueng Sabee-Geupu watershed, SLAs were conducted in Aceh Jaya, Sawang, Kuala Meurisi, Keude Krueng Sabee and Lam Senia.
- **ESP-HSP.** The second stage in the water and sanitation renovation program for community health facilities in Banda Aceh (three facilities during this stage) and Aceh Besar (two facilities) was begun during the quarter. By the end of the reporting period the renovations had been nearly completed. This ESP-HSP program has provided villages with health facilities that are not only attractive, but completed facilities have reported a marked increase in usage by village residents post-renovation.
- **WatSan Assessment.** The water and sanitation assessments for Banda Aceh and Aceh Jaya were completed and finalized. The reports have been distributed to a wide variety of organizations in Banda Aceh, including the World Bank, ADB, UNICEF and BRR. The two reports will help ESP/Aceh expand and deepen its program in the two districts. For example, Aceh Besar is establishing a sanitation department and the reports suggested activities will be helpful in supporting the new department.
- **Communications.** The Public Outreach and Communications program got underway during the quarter. The communications program managed the visits of several groups of guests; supported local NGOs to clean up an old water garden in the city center; and worked with a consortium of USAID partners to promote health and hygiene topics in Aceh.

SECTION 2.2.

NORTH SUMATRA

INTRODUCTION

From Linkage to Integration. During the first three months of 2006 the North Sumatra program made a substantial transition from *linkage Hulu-Hilir* to the *integration* of program activities as a whole. Earlier efforts to bring together the range of partners and components comprising ESP North Sumatra bore fruit as nearly every type and level of activity demonstrated the value of integration.

ESP's regional partners have also embraced this widened and integrated approach, enriching the program as they bring in their unique perspectives. For instance, Bpk. Toegiran, a rice and vegetable farmer in Deli Serdang participating in ESP's sustainable agriculture initiative, created a locally adaptive method to test the benefits of hand-washing with soap by culturing the bacteria from unwashed hands using organic rice as a medium. *"We never thought before of all the kinds of bacteria that we bring home on our hands" he stated. "Now we can demonstrate to our family and neighbors the importance of washing our hands often to keep ourselves and our families healthy."*

Meanwhile, in the densely populated urban riverside community of Aur, the female village head was quick to point out that local women's organizations were both composting and planting trees—skills learned through ESP programs—as well as their core health and hygiene activities. Across the city in the peri-urban village of Tembung in Percut sub-district where ESP collaborates with JBIC on solid waste management and environmental health, the Deli Serdang District Agricultural Service is providing support for tree nursery development to rejuvenate the growing of the previously famous but now rare *'dukuh Tembung'*.

"This village used to be famous for its fruit, the 'Dukuh Tembung'. But no more as the trees are gone. I hope that through this program the 'Dukuh Tembung' will return along with a clean and green environment"

- Ir. Rejeki Sembiring, Deli Serdang
Agricultural Service Head

'Ridge to Reef' Becomes a Reality. The ESP/North Sumatra program is truly on the ground with concrete activities from *"Ridge to Reef"*. Activities at the 'reef' began in earnest this quarter with the initiation of a small grant to the *Yayasan Akar Rumput Laut* to work with coastal communities growing mangrove trees. Meanwhile, at the 'ridge', agriculture and agro-forestry activities are gearing at the very top of the Deli River watershed at the foot of Sibayak volcano. These activities include the initiation of four Farmer Field Schools under a collaborative agreement with USAID CRSP holder Clemson University, the FIELD Foundation, and the Forestry Service of Karo District. Involvement of the *KERINA* community network makes this a natural part of the follow-up to recent Sustainable Livelihoods Assessments.

REGIONAL ACTIVITIES

Women’s Empowerment for Natural Resource Management. In January ESP gathered 32 women from a range of partner groups and communities, from upland farmers to women from dense riverbank communities, in central Medan City for a workshop on “Women’s Empowerment in Managing Natural Resources.” Based upon previous activities conducted with communities both upstream and downstream, the key role of women in everything from forest conservation to family health and hygiene had become evident. Further, the results of community-based Sustainable Livelihoods Assessments conducted by villagers themselves showed that the issues faced by communities had more similarities than differences from *hulu* to *hilir*. From the ESP standpoint, workshops such as this provide an opportunity for all ESP components to integrate in a concrete manner. Specialists from Watershed Management, Agro-forestry, Health and Hygiene, Service Delivery, and Public Outreach Communications all assisted in facilitating this workshop. Local resource persons and community networks were also involved.

The workshop ran for 3 days in Berastagi, Karo District. Topics for the workshop included: (1) Gender perspectives on natural resource management, (2) clean water management including ‘*Air Rahmat*’ use, (3) family and community health and hygiene, (4) composting and solid waste management, and (5) community tree nursery establishment. The workshop also included field visits to communities in the *KERINA* network in order to gain firsthand knowledge of issues through direct discussions with local women.



ESP MEDAN/NORTH SUMATRA

In January ESP gathered 32 women from a range of partner groups and communities in central Medan City for a workshop on “Women’s Empowerment in Managing Natural Resources.” The participants shown above are learning about composting.

Despite the fact that the participants came from a variety of backgrounds, they quickly found common ground and brought their unique perspectives to bear on their many common problems. The outcome of this workshop was the establishment of a ‘network’ of women spanning the array of ESP’s partners within the Deli River Watershed. This network has already begun to conduct cross visits and to attend workshops with themes of common interest. Moreover, perhaps the most important output of this workshop was the broadened perspectives and the integration of programs at community level. One can now hear urban women talk of the

value of re-greening and composting at *Posyandu* while women upstream are more concerned with solid waste and pollution, both for improving their community and because they know more about the lives of their ‘sisters’ downstream.

Getting the Community Moving on Solid Waste Management. ESP’s program in Tembung Village on the Percut River collaborates with JBIC (Medan Flood Control) and

local NGO *Bis Perduli* (trash recycling). Using the entry point of urban solid waste management, ESP is launching a program that integrates environmental sanitation with health and hygiene and sustainable agriculture. ESP specialists in health and hygiene assisted the Service Delivery staff in conducting training, while resource persons were drawn from other parts of the program such as an expert farmer from Deli Serdang (Bpk Toegiran) for training in composting. Support for this initiative broadened to include the NGO *Bis Perduli* as well as the Deli Serdang Agricultural Service.

This program included the following components:

- Initial household survey: a house to house ‘moving discussion’ including surveys, focus groups and community forums;
- Public Forum on village regulations regarding solid waste management;
- Community Facilitator Training including waste management, waste reduction and recycling, urban re-greening, health and hygiene, and composting;
- Mass Action for community clean-up involving over 200 people for two Sundays in a row to remove piles of trash along the riverfront. The action group was eclectic, including women, religious organizations, youth groups, the armed forces, and even senior citizens.

These activities are the starting point for building and strengthening community-based organizations that will handle environmental sanitation and health issues on a sustainable basis bringing a trash free river, healthier families, and a cleaner, greener village.



ESP MEDAN/NORTH SUMATRA

Initiated by the participants of the solid waste management training program, over two hundreds people from Tembung Village cleaned their neighborhood.

OTHER HIGHLIGHTS

- **School Kids Tackle Water Testing and Tree Planting.** As part of World Water Day activities, children from 11 urban primary schools gathered at a primary school in Aur Village in Medan to learn about methods for purifying drinking water and the importance of hand-washing with soap. In addition to participation by the USAID Health Services Program, the North Sumatra Environmental Protection Agency (BAPEDALDA) also joined the event, contributing 500 trees to be distributed and planted at the 11 participating primary schools as part of Medan’s re-greening program.

- **LGSP Collaboration.** ESP worked with USAID partner LGSP to mobilize local community partners *KERINA* and *IPPHTI* to participate in LGSP training programs in Karo District concerning education and advocacy for the agricultural sector.
- **Integrated Training for Water Resource Management** with *Forum Masyarakat Pelestarian Sungai* (FMPS or Community River Watch). This training involved ESP's watershed management, agro-forestry, health and hygiene, and public outreach personnel working with a community group to examine practices on water resources (spring systems), family hygiene (water supply and handwashing with soap) and agricultural practices (composting related to waste disposal). During the training the group also established a community tree nursery that they would manage collaboratively.
- **Sustainable Agriculture Initiative.** ESP, *KERINA*, *FIELD*, *Clemson University/USAID CRSP*, and the Karo District Government joined together to establish a program on sustainable agriculture. A team of three *Clemson University* professors visited Karo District with ESP staff in January, and, as of March, a team of 'Farmer Trainers' from West Java was mobilized by *FIELD* to work with ESP and *KERINA* to establish a sustainable agriculture program in the valley comprising the villages of Semangat Gunung and Doulu (located in the uppermost part of the *Sungai Deli* watershed).
- **Expanded Health and Hygiene Activities.** During the reporting period ESP/North Sumatra's health and hygiene activities spread to the villages of Petisah and Aur in urban medan. These programs have become increasingly broad based and now work with schools, *Madrasah*, mosque youth groups, and even street children as well as *Posyandu*. An evaluation was held to determine effectiveness to date and possible improvements to the approach.
- **Budgets Allocated by Local Governments for Community-Based Sanitation Activities.** Both *Deli Serdang* and *Medan City* included funds in their development budgets for FY 2006 specifically earmarked as counterpart funding for ESP community based sanitation activities. Sites for each area have also been agreed upon through joint surveys with ESP, *BORDA*, and local government partners. A subcontract with *BORDA* will be formulated in the coming quarter.
- **Public Outreach Campaigns** this quarter included interactive radio shows, forums, print media, and radio public service messages on flood dangers and on clean water.
- **Forest Cover Mapping.** The GIS team provided support in mapping forest cover in key areas of the *Deli Watershed* and *TAHURA Bukit Barisan* areas, while also mapping administrative boundaries and forest function for *DAS Wampu* in *Langkat* as part of 'Development Pathways' generation. Also created was a '*Hulu-Hilir*' activity map for *Sungai Deli* to chart ESP activities in the area.
- **Water Testing, Organic Production, and Hand-washing with Soap for Rural Communities.** Farmers from 4 sub-districts involved in *SRI Water-saving organic rice production* gathered in *Beringan Village* in *Deli Serdang* along with officials from Agriculture, Health, and *BAPEDALDA* to both celebrate the second

harvest of SRI aromatic organic rice and to conduct water testing on well water in the area. Simultaneously, the participants were involved in activities concerning hand-washing with soap and water purification methods.

- **PDAM Customer Satisfaction Surveys.** Customers provided feedback to regional water utilities through Customer Satisfaction Surveys conducted jointly by ESP, the University of North Sumatra, and Municipal Water Companies Tirtanadi (Medan) and Tirta Wampu (Langkat). The next step will be public dialogues to discuss transparently the results of the surveys and the implications for water company corporate plans that are currently being developed with ESP assistance.

- **Artists Take Action for Water.**

Twenty well-known Medan painters joined with members of the press and ESP partners to stage a ‘Painting Action’ in front of the Provincial DPRD. Over 30 murals with water themes were created, including a number of panels painted by members of the provincial parliament. Said DPRD member and environmentalist Jonathan Tarigan of the event, “This is an unusual and effective way to raise awareness on the issue of

water resources. We need to push continuously on this ‘issue of the future,’ both inside and outside the DPRD. I have also done studies on water resources and am willing to assist at any time.” Profits from the sale of the paintings went to a ‘revolving water fund’ that would support efforts of the urban poor to gain access to clean water.



ESP MEDAN/NORTH SUMATRA

Members of Provincial Legislative Council of North Sumatra took part in ESP’s “World Water Day” event in Medan, North Sumatra

- **North Sumatra Small Grant Program.** The ESP Small Grants Program is well underway in North Sumatra. In Medan, for example, programs with JKM and Suluh Muda are working with poor riverbank communities, PDAM technicians, and ESP Service Delivery staff to design systems for clean water access. ESP will also assist with solid waste management and health and hygiene programs with these communities. The ‘downstream’ program with the Mangrove Action Program has also begun, addressing both environmental sanitation as well as reforestation. Finally, OIC is well along in establishing community tree nurseries in the Sibolangit area of Deli Serdang.

SECTION 2.3

WEST SUMATRA

INTRODUCTION

The major theme of this reporting period in West Sumatra was consolidation. In February three ESP specialists (Service Delivery, Community-based WATSAN, and GIS) ‘transitioned’ to positions with the new ESP Regional Office in Central Java. Simultaneously, West Sumatra ‘gained’ a new Regional Advisor as the North Sumatra Regional Advisor will now also provide guidance for the Padang office. Currently, a ‘transition strategy’ is being implemented where the three mentioned specialists make monthly visits to West Sumatra to complete outstanding activities while the program in West Sumatra works to consolidate and ‘right-size’ its operations.

The consolidation efforts are already yielding a compact, integrated, efficient, yet fully *ridge-to-reef* ESP program focusing on the Greater Padang area. Greater Padang is highly amenable to ESP’s vision since it encompasses upstream protected areas of high biodiversity (*TAHURA Bung Hatta*), large middle-zones of agriculture and agroforestry communities surrounding three key watersheds feeding the PDAM; and a coastal urban area with a city government strongly committed to improved water and sanitation for its people.

The geo-physical landscape of Padang is highly conducive for ESP. All of the key elements for a complete *Ridge-to-Reef* system are manifest within a compact area. This is one reason for the dramatic beauty of the city, from islands and reefs to primary forest on the mountain ridges looming over Padang is only a distance of 25 kilometers, or less than half an hour by car. Three major rivers originate in the highlands of Padang, and these flow through forests, agricultural land, peri-urban communities, and the coastal city. In some locations one can see clearly a ‘cross section’ from protected area, to agro-forestry based communities, to rivers and PDAM uptakes. In this environment, *hulu-hilir* linkage and integration is much easier to visualize and conceptualize, lending itself to the generation of a compact yet complete ESP program.

Building and Strengthening Constituencies at all levels. ESP West Sumatra has always worked hard at linkage and integration, and the current focus on Padang City provides a clearly delineated geographical area for these efforts. In West Sumatra, the ‘multi’ in ‘multi-stakeholder’ rings true. The Main government agencies partnering at the provincial level include: *Balai Pengelolaan DAS Agam Kuantan, Balai Konservasi Sumber Daya Alam, Dinas Kehutanan, Dinas Pengelolaan Sumber Daya Air, and at Padang Municipality level: Dinas Peternakan Pertanian and Kehutanan, Bappeda, Bapedalda, Dinas Pekerjaan Umum Pengairan dan Dinas Tata Ruang dan Tata Bangunan.* Private sector partners currently include Semen Padang, PDAM Padang, and Forest Trade, Inc. while Andalas University, Bung Hatta University, and Muhammadiyah University have taken part in and supported numerous ESP activities. Active non-government/civil society organizational partners include LP2M, Yayasan AFTA, FKKM Sumbar, KKI Warsi, Forum Kota Sehat, and PKBI among others.

Strong Program ‘Roots’ at the Community Level. ESP West Sumatra is committed to maintaining strong programs already initiated at the community level. The *Forum PEDAS* initiated in the wake of community-facilitated sustainable livelihoods assessments continues to move ahead. This network comprises community groups in ten sub-districts from the

three major watersheds in Greater Padang. Beginning with tree nursery establishment, activities of the forum have moved to the creation of 'Learning Centers' for agro-forestry, action research on organic vegetable growing, and 'eco-rice' Farmer Field Schools. These programs are all actively supported by the Government Agricultural and Forestry Services as well as by local NGO's. Enriching these community-based networks is a top priority for ESP/Padang. The Provincial Agriculture Service has officially assigned one senior, highly skilled technical staff member fulltime to ESP field activities as no cost to the project.

REGIONAL ACTIVITIES

ESP Support for the "Padang Clean and Green City" Campaign. ESP continued to work closely with Municipal Government Services this quarter to further energize this campaign. The City's Parks and Sanitation Services are the primary strategic partners thus far, having undertaken activities such as the planting of 200,000 betel-nuts (*Areca catechu L*) within a 400 ha area comprising major riverbanks in the city. City residents as well as students have been highly responsive to ESP supported campaign activities; perhaps because, due to physical proximity, they can easily see how upstream de-forestation issues as well as downstream solid waste issues can result in floods, landslides, water pollution, and destroyed croplands.

Filling the Health and Hygiene Gap. ESP Padang worked to increase the level of health and hygiene (H&H) awareness by incorporating H&H activities into Multi-Media campaigns with schools and other partners this quarter. The Padang Municipal Government is also highly supportive of this sort of activity, as borne out by the solid support for Community-Based WATSAN initiatives in partnership with ESP. A current initiative involves the development of a Small Grant program with LP2M, the Institute for Women's Development and Empowerment. The activities of the proposed small grant entitled *Women and Environmental Sanitation* would comprise integrated activities in community-level health and hygiene/environmental sanitation, as well as ecological farming and gardening.

The PEDAS Learning Network. In the upstream areas of Greater Padang, ESP continued to work with the inter-community network *Forum PEDAS*. These communities interact with the protected forests immediately above them while undertaking agriculture and agro-forestry along the banks of Padang's three major rivers. Based upon results of the Sustainable Livelihoods Assessment, ESP West Sumatra is making use of agricultural and agro-forestry entry points while building the organizational capacity of *Forum PEDAS*.

A 'Learning Network' is now emerging comprising members of the *Forum PEDAS*. The Forum has an organizational structure consisting of 5 persons in a core management group and 20 local '*pemandu*' or group leaders. Routine Forum and sub-forum level meetings are conducted, usually accompanied by a concrete action such as the building of community nurseries or tree planting actions. An 'action research' learning center comprising 1.0 ha has started in Limau Manis village working on organic agriculture, while a Farmer Field School in 'ecological rice production' was also initiated.

A *Forum PEDAS* group in Lori Lubuk Minturun in the Batang Air Dingin watershed upstream area started a community tree nursery that will be used to address the issue of critical, degraded land. This area is also targeted by GNRHL, and is very strategic site since water flowing from this area is crucial to the Padang PDAM.

Biodiversity and Source-Water Protection. ESP West Sumatra is now organizing work to improve the management of two important bio-diversity conservation areas, namely *Taman*

Hutan Raya Bung Hatta and *Suaka Alam Barisan I*. Besides protecting bio-diversity, these areas are important for Padang's fresh water supply. ESP West Sumatra established partnerships with Andalas University's Center for Land, Natural Resource Management, and Water Resources (PSI-SDALP) to carry out assessments and to review perspectives, experiences, cases studies, legal and institutional aspects of multi-stakeholder co-management of watersheds and protected areas. These assessments will form the basis around which ESP will organize plans and actions for improved management of these vital natural resources. The Padang Municipal Government has shown strong support for these initiatives, realizing that the future viability of the City depends upon good resource management.

Tree Planting Efforts Continue. Meanwhile, in collaboration with a group of civil society stakeholders (FKKM West Sumatra, KKI Warsi and Yayasan AFTA) a tree nursery on 0.75 Ha of land was established. Tree species being developed include: Cacao (*Theobroma cacao*), Mahoni (*Swietenia mahagoni*), Kenari (*Cannarium commune*), Petai (*Parkia speciosa*), Rambutan (*Nephelium lappoecum L*), Nangka (*Artocarpus heterophyllus Lam*), Pinang Thailand, Sawo (*Achras zapota. L*), Mindi (*Melia azedarach Linn*), Kamani (*Callophylum sp*), Cimpago (*Magnolia champaca*), Karet (*Hevea brasiliensis*), Surian (*Toona sureni*), Andalas (*Morus macrourea. Miq*), Bunga Tanjung (*Mimusop elengi*), Ketaping (*Terminalia catappa*), Intaran (*Azadirachta indica*), Salak (*Salacca Edulis*) and Jarak Putih (*Jatropha Sp*). A total of 10,720 seedlings have been planted as of 31 March 2006.



ESP PADANG/WEST SUMATRA

West Sumatra Governor assisting in the tree-planting effort in the Kuranji Watershed.

ESP West Sumatra facilitated this tree nursery in support of the 'Padang Clean and Green' campaign. In commemoration of the Sixth of *Hari Bakhti Rimbawan*, ESP together with other stakeholders carried-out a tree-planting action with mahoni, bayur and medang at the Campus of Andalas University in Limau Manis (DAS Batang Kuranji). Over 5000 trees were planted on the 16th of March 2006. Also on this occasion, 150 birds of the species *murai batu* (*Copsyhus malabaricus*) were released into the wild. These birds were previously confiscated by the Natural Resource Conservation Bureau (BKSDA) West Sumatra.

A week before, *Forum PEDAS*, with ESP support, planted 200 trees in Lambung Bukit Sub-District. Again, while strengthening the organizational capabilities of the *Forum PEDAS*, re-greening activities such as this are done in strategic areas focusing upon PDAM intake areas.

In all these activities, ESP West Sumatra integrates concrete action in the field with broader campaign work for public awareness and water and environmental issues.

Increasing Dialogue on PDAM Performance. While these activities support the raw water resources needed by PDAM Padang, other direct activities to improve the performance of the PDAM have also been undertaken. A public dialogue was held concerning the result of the ESP facilitated Consumer Satisfaction Survey in January. Research on the reality of 'social connections' for the poor (and how these affect access to

clean water) is also being conducted. Public dialogues between citizens and PDAM's have also been held in Bukittinggi and Solok in order to increase transparency and create more 'social capital' in support of better water management.

Community-Based Water and Sanitation in Padang. Besides working with the Municipal Government on improving the performance of their water utility, ESP West Sumatra is also generating initiatives for community-based sanitation. The West Padang Sub-district, for example, was chosen as the pilot site for a small scale, community-based waste water treatment facility. This will be a joint activity undertaken by Padang City Government and ESP through a subcontract with NGO BORDA. The Government and its various agencies have proven enthusiastic supporters and have put allocations for co-financing these pilot activities into their 2006 annual budget. BAPPEDA Padang established a cross-service Working Group to coordinate the program. Field visits to the proposed sites in Berok Nipah and Purus villages were undertaken along with a 'scoping study' as a preliminary step to a more comprehensive 'city-wide sanitation mapping' initiative supported by ESP.

Multimedia Campaigns Continue. To improve the 'cohesion' and integration of all these activities, ESP carried out a bi-weekly media campaign. During this Quarter two major campaigns were implemented: Multimedia campaign #2 on clean environment and freedom from flooding, and Multimedia campaign #3 on 'point of use' water treatment.

OTHER HIGHLIGHTS

- Kecil Menanam Dewasa Memanen (KMDM) – 'Plant as a Child, Harvest as an Adult'.** Related to *Padang Clean and Green City* and *Bhakti Rimbawan Day*, ESP together with the agencies of the Forestry Department (BKSDA, BP DAS Agam Kuantan, TN. Siberut, TN, Kerinci, and Provincial Forestry Service) in Padang, Andalas University and nature lovers supported the proclamation of the **Kecil Menanam Dewasa Memanen** (Plant as a Child, Harvest as an Adult - KMDM) national campaign. The activity was held in Andalas University Campus in Limau Manis on 16th of March 2006.



ESP PADANG/WEST SUMATRA

KMDMs launching preparation and press conference in ESP West Sumatra Office.

- Integrated Watershed Management Discussion.** In order to build more synergy within the multi-stakeholder community concerning integrated watershed management, a joint discussion was organized by ESP on policy and institutional issues. This meeting held on 10 March brought together the Forum DAS Multi-Pihak Sumatera Barat, the Direktorat Pengelolaan DAS Dirjen RLPS Jakarta, and Balai DAS Agam Kuantan.

- **International Seminar on Natural Resources Management.** On the 23rd of March 2006, ESP provided support to the *International Seminar on Capacity Building in Promoting the New Paradigm of Integrated Natural Resources Management and Decentralization*, held by Pusat Studi Irigasi, Sumber Daya Alam, Lahan dan Pembangunan (PSI SDALP) Andalas University. Dr. Russ Dilts served as one of three speakers and gave a presentation on *Capacity Building at the Community Level*, which generated an animated response from the large audience. On the same day, ESP staff also provided input concerning Provincial Spatial Planning Policy in a consultation held by the DPRD West Sumatra.
- **Promoting Environmentally-Sound Tourism.** In line with goals to reduce environmental damage, tourism presents a strategic opportunity in West Sumatra. Promotion and development of *back to nature* tourism based on the social, cultural, ecological and biological diversity in West Sumatra has become an important issue. Discussions were held between ESP staff and the www.west-sumatra.com team. This meeting was attended by cultural organizations, tourism organizers, NGOs, and Journalists on the 30th of March at the Secretariat of FKMM West Sumatra and KKI Warsi.
- **Geographic Information Training.** Training to reinforce GIS and GPS skills with PDAM and BAPPEDA Padang were held in January by ESP West Sumatra. This training was followed by a study tour to PDAM Jambi and KKI Warsi on 30th January up to 2nd February. As a result of this training and exposure visit it is hoped that PDAM and BAPPEDA Padang have garnered a basic understanding of the possible applications of information technology within their respective institutions.
- **Multi-Media Campaign No.3 (MMC#3): Point of Use Water.** MMC#3 focused on four issues related to the preparation, use, and storage of safe water: boiling, solar disinfection, filtering by ceramic filter, and the use of sodium hypochlorite (*Air Rahmat*). The activities included: (1) Water Testing Day in schools, (2) a Panel Discussion in cooperation with the Padang Express Daily, (3) Focus Group Discussions together with housewives, (4) radio talk show, (5) TV talk show, and (6) advertisements in local media. The resulting news coverage included: four



ESP PADANG/WEST SUMATRA

TV Talk show on TVRI Padang.

articles, four advertisements, one radio talk show, one TV talk show, and one of TV news segment. A wide range of media picked-up on these campaign activities including: Padang Express, Singgalang, The Jakarta Post, Media Indonesia, ProNews FM, and TVRI Padang. Besides media, the ESP campaign was also supported by the Regional Information Center (founded by DFID) and *Aliansi Jurnalis Independen* Padang.

SECTION 2.4

WEST JAVA & DKI JAKARTA

INTRODUCTION

ESP activities in West Java are currently at full speed in existing locations as well as expanding into new locations. The Municipal Finance Team, for example, expanded its work to the Municipality of Cirebon this quarter. Additionally, the activities in the two critical water catchment's areas of Subang and Cianjur are progressing and were well received by the local government bodies, the communities, and local NGOs.

In the upstream areas, the land rehabilitation initiatives in the districts of Subang and Cianjur continued in collaboration with stakeholders while, in the downstream areas, the PDAMs also continued to support these efforts by providing incentives to protect their water resources to maintain the quality and quantity of the bulk raw water. A total of 16,000 seedlings were planted on approximately 8,000 hectare of critical land by farmers in the sub-watershed areas of Subang and Cianjur, benefiting 2,500 farmers. To assist in the protection of the Cibulakan Spring in the village of Cijambe in Subang, the PDAM of Subang provided an incentive of Rp 1.4 billion to free-up five hectares of land. The local Forestry Department also provided 7.5 kilograms of seeds in support of the land rehabilitation activities.

Other cross-cutting activities such as public outreach and communication, health and hygiene, geographic information systems (GIS), the small grants program, and municipal finance activities also progressed this quarter. In cooperation with other ESP and BHS Teams, the ESP Public Outreach and Communication Team and Health and Hygiene Team successfully implemented a number of national and local events related to clean and healthy water. For example, ESP carried out a "Water Testing Day" in West Java and DKI Jakarta to disseminate information on obtaining clean and healthy potable water at home. Similarly, in collaboration with "Aman Tirta", the "Water Point of Use" campaign was implemented in DKI Jakarta, Banten and Bandung. Also, the commemoration of the "World Water Day 2006" was conducted at MONAS in DKI Jakarta on March 26, 2006, receiving a positive response from the Governor of DKI Jakarta as well as the media. 1,300 children attended the event.

Finally, the ESP finance team has completed or has in process several noteworthy feasibility studies for capital investments in West Java. Overall, the proposed investments could potentially supply 180,000 thousand new household connections within across Municipality of Cirebon, District of Bogor, Kota Bandung, and Kabupaten Tangerang.



Water Testing Day poster in Jakarta/West Java.

REGIONAL ACTIVITIES:

Degraded Land Rehabilitation Continues in Subang and Cianjur. The rehabilitation program for degraded lands continued to progress in Subang and Cianjur. This quarter 12,000 seedlings were planted in the area of 36.2 Ha of degraded land in the villages of Cijengkol, Cijambe and Curugrendeng in Subang. Approximately 157 community members participated in the planting of the seedlings, which were mostly cash crops, tree crops and timber. The rehabilitation program was carefully planned by the Watershed Management Forum of Subang and the communities, with approximately 2,500 people across the three villages benefiting from the effort. Additionally, a tree planting campaign was also conducted in the upper Cibadog River this quarter. The campaign began with a ceremony in late January, with government officials from the agricultural and environmental departments participating in the event. Initially, 4,000 seedlings were contributed by farmers and planted in 7,951 hectares of critical lands across seven villages in Subang. The Dinas Kehutanan provided 7.5 kilogram of seeds of *Accacia mangium* and *Paraserianthes falcataria* in support of the activity.

The raw water intake spring for the PDAM of Subang is located in the sub-village of Cibulakan (in the village of Cijambe). With a water discharge rate between 1,000 and 1,700 liters per second, this spring represents an important economic asset for Subung and thus requires careful protection. Approximately 3.5 hectares out of the total five hectares of land surrounding the spring were bought for Rp. 1.4 billion by the local government from the villagers, and the government has already set aside Rp. 600 million to purchase the remaining 1.5 hectare. The PDAM of Subung has already provided 250 seedlings, which were planted on the 3.5 hectare site and are now maintained by the local communities.

In response to the National Forest and Land Rehabilitation Movement (GNRHL) in the District of Cianjur, a participatory assessment was conducted this quarter in 13 villages located in the sub-watershed areas of Cisarua and Cikundul. This assessment was then followed by a transect carried out by the community in the sub-watershed of Cikundul to provide field information in support of the Cikundul Watershed Management Plan. The management plan was recently completed and rehabilitation activities are now under way. Rehabilitation activities conducted this quarter included the collection and germination of 5,000 seeds, which were then planted on 250 hectares in the sub-watershed of Cilaku in Cianjur.

Raw water for the PDAM in Cianjur comes from two springs: Cilembang (with a discharge of 280 liters per second) and Cirumput (with a discharge of 180 liters per second). The 1.4 hectare protection zones of both the springs have now been rehabilitated. Thanks to the collective efforts of the PDAM, local government, and the community, approximately 2,000 seedlings were planted in the protection zones surrounding the springs.

Spatial Planning using ‘Development Pathways.’ With assistance from a short-term consultant from DAI’s Corporate Headquarters, the GIS and WSM teams incorporated a new “landscape” approach into the development of the Cikundul Watershed Management Plan. Specifically, the “landscape approach for integrated planning and action” is defined as an objective-oriented flexible framework to plan interventions, direct resources, and monitor activities. The approach is aimed at integrating local knowledge and factors in a single landscape context to visualize the map(s) of greatest potential for a specific objective: the “development pathway.” The utilization of the development pathway model results in the capture of more accurate information during the watershed management planning process and, ultimately, in better decision making in site selection.



Community-Based Sanitation and Solid Waste Management. The Provincial Government of West Java (TARKIM) contributed 100% of the hardware cost for the construction of two communal septic tanks in the area along the Citarum River in the villages of Nanjung and Rancamanyar. The capacity of the two communal septic tanks is 1000 households. Through local NGO Warga Peduli Lingkungan (WPL), ESP provided important community mobilization assistance by promoting the understanding and use of the communal septic tank constructed by TARKIM. Specifically, WPL took the leading role in community preparation, planning, and decision making, in order to ensure the sustainability of the community-based sanitation system. The objectives of this program were to socialize the communal septic tank program to the targeted communities through participatory approaches in order that the community understands the benefit they are getting from the program, and to ensure the operation and maintenance of the CBS systems by the community following construction of the communal septic tank. The program was completed this quarter, with 100 households now connected to the system. Plans are already underway to expand this type of activity to Tamansari and Padalarang, also in Kabupaten Bandung.

In DKI Jakarta, ESP is collaborating with Mercy Corps on a joint initiative with IDRC to improve basic infrastructure in North Jakarta and community-based solid waste management in one sub-district of North Jakarta. In addition, ESP-partner BEST is also conducting detailed studies on five to nine community-based sanitation programs in North Jakarta.

Public Outreach and Communication. In cooperation with USAID/BHS partner “Aman Tirta”, ESP conducted “Water Testing Day” this quarter in Serang, Bandung (West Java) and DKI Jakarta. The activity demonstrated practical options for obtaining clean drinking water at home. Attended by elementary school children, this event was part of a broader ESP Multimedia Campaign. Key implementation partners included the Municipal Water Company (PDAM), District Health Laboratory, District Health and

“Chlorinating is very easy. I will practice it at home. It saves money and does not need kerosene to boil water,”
 - Urfa, a student from Jakarta, as quoted by a TV station during “Water Testing Day.”
 Chlorination is performed by introducing drops of “Air RahMat” in a water container and shaking the container for 30 seconds. Following a 30 minute wait, the water is then ready for drinking.

Education Offices, and a number of elementary schools. The “Water Testing Day” events generated wide media coverage in both print and audio visual, with at least six print media, five TV stations, and four radio stations providing coverage in different regions.

The World Water Day event conducted at MONAS in DKI Jakarta on March 26, 2006 was also very successful, with approximately 1,300 school children participating. The event included games, shows, and gifts. Implementation partners included the Dilts Foundation, Taman Nasional Gunung Gede Pangrango, SD Al Azhar Bekasi, SDN Giri Mukti Cianjur, Kuis Jabar and Kader Tamansari, Coca Cola, McDonald, Aman Tirta, Decentralized Education Program (DBE 1, DBE 2, DBE 3), and Aqua Danone Tbk, and a myriad of individual volunteers. This event also received good media coverage on local television news such as on TPI, SCTV, Global TV, Metro TV and Jak TV.



ESP JAKARTA/WEST JAVA

Playing ‘snake and ladder hand washing game’ – on a 3x3 meter mat at the ESP ‘Fun Corner’ on ‘World Water Day’, Jakarta.

Hand Washing-Campaign and Health Fairs Spread Important Hygiene Messages.

“Let’s Wash Our Hands with Soap” is the motto of the latest ESP awareness campaign. This three-month campaign is conducted in cooperation with Health Post Cadres, Kindergarten and Elementary School Teachers, community leaders in Bandung District, and Koalisi untuk Indonesia Sehat (Coalition for a Healthy Indonesia). The principal events took place on 19 and 21 January 2006 in Padalarang and Tamansari Village, Bandung District. In Padalarang, approximately 500 children from local kindergarten and elementary schools expressed

their commitment to hand-washing through coloring pictures, drawing contest, singing and dancing contest and creative writing. Furthermore, hundreds of mothers of under-five children took part in dance and wash basin design competitions.

Financing Expanded Service Coverage across West Java. The ESP Municipal Finance Team has completed or has in process several noteworthy feasibility studies for capital investments in West Java which are expected to supply approximately 180,000 thousand household connections within four municipalities or districts.

The Municipality of **Cirebon** needs to increase their drinking water capacity by 400 lps to serve an additional of 20,000 – 30,000 households and ESP is assisting with an assessment of whether the neighboring district of Majalengka and Kuningan could provide the shortfall and management mechanism in providing excess water from Kuningan or Majalengka to Cirebon. The bulk water supply project that ESP is assisting on will cost about US\$ 8 million equivalent, and will have significant impacts on current tariff structure.

The District of **Bogor** has agreed to allow ESP to mobilize finance from the private credit and public markets for its proposed water service delivery expansion project in East Bogor. PDAM District Bogor wants to improve water service for the community. Additional capacity for treatment plant is 380 lps. Within five years, the target of new customers is 30,704 connections and the investment costs at current prices are estimated at Rp. 193.7 billion.

Non-bank institutions such as PT Danareksa (investment bank) have expressed interest in financing of water utilities through a bond offering. The Direktur Utama of the PDAM, has issued a special letter to ESP authorizing it to market its financing needs in both bond and credit markets. A special meeting will be held in Bogor with the Bupati and DPRD on 11 April 2006 to discuss the project, which is likely to become an important test case if it is agreed to proceed.

PDAM Kota **Bandung** has several capital investments for which feasibility studies need to be developed during 2006 – 2007. One of the major investments is the new water treatment facility of 1,100 liters per second (lps) in southern Bandung. The new facility will cost around Rp. 500 billion in 2005 constant price, and is predicted to serve 60,000 new connections. The new facility investment is most likely to be undertaken through a Public Private Partnership scheme. A second major investment is a 300 lps capacity improvement to an existing facility in Dago Bengkok area. New connections to be served by this investment are estimated at 15,000. The capacity increase plan will cost around Rp 20 billion. ESP's Municipal Finance Team is to assist PDAM Kota Bandung with the feasibility study.

Finally, PDAM District **Tangerang** has identified two “greenfield” areas to be developed through Public Private Partnerships for improving potable water service: sub-districts (a) Sepatan/Pasar Kemis and (b) Cisoka. At Sepatan/Pasar Kemis, capacity of the new treatment plant will be 320 lt/sec to serve 31,718 connections and the investment cost at constant prices is estimated at Rp. 144,85 billion. At Cisoka, the capacity of the new treatment plant is 200 lt/sec, with household connections estimated at 20,000. The cost of the Cisoka Treatment plant has not yet been determined.

OTHER HIGHLIGHTS

“Cinta Air” Program

Launched. This quarter saw the launch of the “Cinta Air” program, a joint initiative between USAID Indonesia, Coca Cola Indonesia, and the local community of Bekasi, West Java. The goal of Cinta Air is to ensure the provision of a clean water supply and sanitation services to at least 25,000 people living in the rapidly growing district of Bekasi. ESP provides technical support to “Cinta Air”, specifically with regard to watershed management and re-greening activities, community-based clean water and sanitation services, and public outreach and communication.



DON BASON, ESP JAKARTA/WEST JAVA

Herbert Smith, USAID BHS Director (left) and Steering Committee Chairman Coca Cola Foundation Indonesia, Mugijanto (right) at the launch of “Cinta Air Program” at Coca Cola Bottling Plant, Cibitung, Bekasi.

- **Small Grants Program.** ESP currently has one ongoing small grant in West Java. The grantee – the Forum for Information on Nature Tourism (WIPA) – is developing Ecotourism Maps for Gede Pangrango. The maps and the booklets are currently at the printing stage and have already helped the community conservation awareness campaigns for the upper watershed areas in the catchment’s area of Gede Pangrango.

Two additional potential small grants in West Java/DKI Jakarta are in final stage for ESP approval and ready to be sent to USAID for concurrence. Both activities are to be implemented in the district of Bandung. The first potential grant—to be implemented by KujBS—is for Community-Based Solid Waste Management in Tamansari. The second potential grant will address Community-Based Solid Waste Management in Sub-District Cianjur. The grantee, Yayasan Bina Sehat Sejahtera (YBSS), has proposed to run a public awareness program and develop a community-based solid waste management model for Cianjur.

- **Household Surveys in Purwakarta and Bandung.** The Household Survey of 30,000 customers (50% conducted by ESP) in the District of Purwakarta was completed this quarter. The study concluded that 1.5% of the customer water meters are not properly functioning, resulting in a loss of 1,340 M3 of water per month (or an equivalent to Rp. 83.8 million per year) to PDAM Purwakarta. In addition, 15% of the total customers have been wrongly categorized in the standard customer tariff classification, which resulted in a loss to the PDAM of approximately Rp. 79 million a year. When corrected, it is projected that cost recovery will be achieved within a year.

A second household survey is currently being conducted for 60,000 PDAM customers in the Municipality of Bandung. A short-term consulting team conducted a scoping study with PDAM Kota Bandung to evaluate the possibility to increase capacity by 1,000 liter/second, which will increase access to at least 60,000 households. The results of the scoping were positive, and PDAMs will request further assistance from ESP to develop a full Feasibility study for this crucial program for the PDAM. Also in Bandung, ESP has started to identify the bottlenecks of the water provision by PDAM Kota Bandung to poor communities through Public Taps. ESP will work to establish a joint action plan with the PDAM and local communities in the upcoming quarter to address this issue.

- **Hydro-Geological Survey.** Initiated in early February by FORKAMI, the hydro-geological survey of key watersheds in West Java is well underway. Projected to finish by the end of May, the survey covers the upstream areas of the sub-watershed of Ciasem and Cipunegara in Subang; and Cikundul, Cilaku and Cibalagung in Cianjur. FORKAMI’s first report has been submitted to ESP.
- **RARE PRIDE Conservation Campaign.** The RARE PRIDE Indonesia Program is focusing on twelve high biodiversity value sites and the conservation campaigns will employ social marketing techniques with the ultimate goal of behavior change for sustainable natural resource practices. The campaign will be conducted by “PRIDE Campaign Managers” and the selection process for these managers is now nearly complete. Priority areas in West Java for the campaign are Cianjur and Subang.

- **Solid Waste Management Training.** In collaboration with Health and Hygiene, Public Outreach and Communication, the Service Delivery Team conducted Community-Based Solid Waste Management training for NGOs in Bandung on March 22-23, 2006.

SECTION 2.5

CENTRAL JAVA

INTRODUCTION

ESP hit the ground running in its newest regional office in the High Priority Provinces of Central Java and Special District Yogyakarta (DIY). With the transfer of five staff from other ESP regional offices plus the newly recruited administrative and watershed management teams, the Central Java/DIY team was able to quickly mobilize the office and conduct a series of ‘soft launches’, or meetings, to introduce ESP and learn about the many stakeholders already active in the Progo Watershed. Start-up activities also included the development of a sub-watershed site selection process and data collection and mapping to identify an entry point for ESP activities at the district, sub-district, and village levels. The office furniture and computer procurement process got underway, and staff recruitment to fill the three remaining vacancies continued. The existing ESP work plan, program literature, power point presentation materials from other regional offices, and support from the national office in Jakarta, all meant that the ESP Central Java Team did not have to start from scratch; the existing materials provided a strong base to start from and were easy to adapt for immediate use.

The numerous introductory meetings and data collection processes revealed that there is a plethora of data, reports, recommendations, and even a Grand Design Master Plan for the Progo Watershed (developed by Bapedalda Central Java, Bapedalda Special District Yogyakarta, and the University of Gajah Mada Faculty of Geography). However, most of these reports are voluminous, very technical, and are not yet tied to local government budgets, programs, and activities. It is highly unlikely that many stakeholders have actually read these reports and are, therefore, unlikely to be in a position to implement them. All of the stakeholders voiced that the single greatest role that ESP could play in the Progo Watershed would be to assist with the implementation of selected recommendations and plans at the village level with a community-based approach that can then be rolled out at a larger scale in the region, advice which will be well heeded as ESP develops its Central Java/DIY work plan activities.

REGIONAL ACTIVITIES

Open For Business. The ESP Central Java and Special District Yogyakarta (DIY) regional office in **Yogyakarta** opened for business on February 13, 2005. While the office furniture procurement process is underway, one conference room has been the only furnished space for the first few weeks. With all staff sitting and working together around a large table, integration across ESP components has been easy. Once the office is fully outfitted, the staff will no longer sit around a large table, but the new seating assignments will continue to reflect integration of ESP components to foster continuous dialogue.

New Kids on the Block. A series of introductory meetings is well underway to introduce ESP to the many government agencies, non-governmental organizations, community organizations, universities, other USAID programs, and other donor funded programs that are active in the Progo Watershed or that are conducting activities that are complementary to ESP. These meetings serve multiple purposes for ESP staff to: 1) learn about the many

players active in the Progo Watershed, 2) obtain existing reports, strategic planning documents, maps, and secondary data related to ESP's activities, 3) identify opportunities for possible collaboration, 4) identify the best entry points at the sub-district and village levels for ESP to work in, and 5) obtain input on the design of ESP's activities in the Progo Watershed so that ESP can build on existing initiatives, strategies, and plans.

Bappeda in Central Java and DIY has been the key agency to assist ESP with this introduction process to local and provincial government agencies. On March 14, Bappeda DIY facilitated a meeting in which the integrated ESP Central Java/DIY team gave a presentation followed by discussion with 17 DIY government agencies. ESP was well received. Several government officials expressed the following issues and concerns, that: 1) ESP not conduct further research studies, nor produce a list of concepts and recommendations, as much research has already been conducted; 2) ESP focus its assistance on the implementation of parts of the existing Grand Master Plans in DAS Progo with emphasis on community-based approaches; 3) ESP's activities not conflict with existing local government plans; and 4) ESP facilitate the exchange of information related to DAS Progo among stakeholders. Many of these requests are being incorporated into ESP's planned activities in the Progo watershed.

An introductory meeting was also conducted at the Central Java Bappeda offices in **Semarang** on March 29, at which the director and heads of all five sub-departments of Bappeda were in attendance. Bappeda extended the following offers to ESP: 1) the facilitation of a subsequent meeting with related Central Java provincial offices to introduce ESP in late April, 2) the facilitation of a meeting to introduce ESP to the Governor of Central Java in early May, and 3) office space for an ESP secretariat in Bappeda's office in Semarang to support further coordination and integration between ESP's activities with existing and planned Central Java provincial government activities. With regard to the Governor's launch in early May, Bappeda offered to facilitate a meeting between the many USAID programs currently active in Central Java and the related provincial government agencies. The purpose of this meeting would be so that provincial government agencies could enter into dialogue with the USAID-funded programs and help align national and local budgets in support of donor program activities that were in line with and supportive of provincial and local government initiatives.

The key is implementation. As there is a plethora of data, reports, recommendations, and even a Grand Design Master Plan for the Progo Watershed, which is not yet tied to local government budgets, programs, and activities, many stakeholders expressed that the greatest urgency for ESP is to assist with implementation of some of the elements of the existing plans at the village level, which can then be replicated and expanded.

ESP staff met with the Department for International Development, United Kingdom (DFID) Multi-Stakeholder Forest Programme (MFP) program staff in Central Java and its newly formed network, the "Java Learning Center" (Javlec), which is a forum comprised of seven non-governmental organizations active in conservation and community development activities. Next quarter, ESP will facilitate a workshop in which other non-governmental organizations active in the Progo Watershed will meet for a day to discuss their work and identify areas of possible collaboration.

Integrated Sub-Watershed Site Selection Process. The Progo Watershed encompasses a very large geographic area that is too large of a scale for ESP to work on. This quarter, the Central Java Team developed a structured, integrated, and rapid site selection process to identify several key districts and sub-watersheds that ESP could work in. The sub-watershed

site selection process contains similar steps to the watershed site selection process, such as developing criteria, gathering information, developing maps, conducting interviews with multi-stakeholders, and making site visits to villages and springs. While some ESP activities will take place in other cities and districts in Central Java and DIY, ESP selected Magelang District as the initial entry point for ESP Integrated Activities. Magelang District is in the middle of Progo watershed and contains three sub-watersheds (Elo, Tangsi, and Blongkeng) that represent an ideal entry point for all ESP components to work together for the following reasons:

- 100 percent of the land area in Magelang District lies within the Progo Watershed;
- It is home to almost one hundred rivers and numerous springs that serve as a water catchment and source of water for millions of people in the two provinces of Central Java and Special District Yogyakarta;
- It has very limited municipal solid waste management and disposal systems;
- It has no wastewater collection and treatment systems;
- There are several community water and sanitation forums;
- 12 percent of the population is served by the water utility (PDAM), while 88 percent is not.

Next quarter, ESP will facilitate a meeting that brings together multi-stakeholders (village heads, community forum, local government officials, and non-governmental organizations) to: identify who is doing what and where in Magelang District; obtain input on specific sub-watersheds and villages that ESP is considering working in; and lay the ground work for collaborative action plans.



ESP YOGYAKARTA/CENTRAL JAVA

In the mid Progo Watershed, water is the main concern of most communities in the region. Intensive cultivation, excessive soil erosion, landslides, declining water supplies, poor waste water handling, and agricultural pollutants threaten even small systems.

MOU and Workplan Development with Selected PDAM. Five PDAMs have initially been selected to receive ESP's technical assistance: Yogyakarta City, Surakarta City, Magelang District, Magelang City, and Sleman District. The Municipal Finance Team will work in the first three PDAM, while the Service Delivery Team will work in all five areas. With the exception of PDAM Surakarta City, all the PDAMs lie within the Progo Watershed. Preliminary assessments were conducted with each PDAM to identify their priorities for technical assistance. The five PDAMs have all requested technical assistance to improve revenue water, energy reduction and limited production capacity with the possibility also of a focus on waste water collection and treatment. PDAM Surakarta presents a special case in that ESP will concentrate its technical assistance on water supply, not waste water, as this is already included in the new ISSDP (World Bank-Dutch Trust Fund program). This presents an excellent opportunity for collaboration between the two programs.

ESP presented a draft MOU and detailed workplans to four of the PDAMs, which were favorably received. The MOU and workplans will be discussed with the fifth PDAM (Magelang City) in the next quarter. It is expected that all five MOUs will be signed by the next quarter. With regard to the urban poor's access to clean water (both from PDAM and non-PDAM sources) and sewerage treatment and solid waste management, ESP will identify sources of water and distribution systems and community-based sewerage and solid waste management systems to reach communities within 100m on the left and right side of urban rivers. ESP also plans to facilitate the local governments of Yogyakarta and Bantul to optimize their existing centralized waste water treatment plant.

OTHER HIGHLIGHTS

- **Open House.** ESP launched the opening of its newest regional office in Yogyakarta with a '*selamatan*', or open house. In attendance were many neighbors, vendors and contractors that ESP has worked with to set up its office. The ESP team gave a brief overview of the program and its activities, which was followed by a traditional meal of yellow rice with meat and vegetables that was eaten '*lesehan-style*' (sitting on the floor on woven mats).
- **Water Resources Scoping Study.** Two hydrogeologists (Short-term consultant Phil Brown and long-term ESP staff member Asep Mulyana) conducted field visits and initiated a literature review concerning the hydrogeology of the mid to upper Progo Watershed. The Water Resources Scoping Study will be completed over the next few weeks and will identify several key concepts linked to programs and activities that the ESP integrated team will help implement at the village level, aimed at improving the quality and quantity of water resources. Water is the main concern of most communities in the region as excessive erosion, landslides, poor wastewater handling, and agricultural pollutants threaten even small systems.
- **The Visit of the Coordinating Ministry for People's Welfare (Menko Kesra).** Five staff from Menko Kesra paid a visit to learn about ESP's activities in Central Java, and will subsequently make quarterly visits to evaluate ESP's work. A collegial relationship was established, during which the Menko Kesra team provided the following input that ESP: 1) coordinate and support existing local government activities, 2) provide assistance to poor communities that are not served by a PDAM, 3) have an impact at the policy level, and 4) facilitate the exchange of information related to the Progo Watershed among stakeholders.
- **Tariff Adjustment Study Tour.** The purpose of the two-day study tour was for a visiting delegation from Bandung City's PDAM to learn from PDAM of Magelang District, Magelang City, and Solo City's four year experiences with automatic tariff increases, all of which are implemented by a mayor/*bupati* decree which does not require the involvement of the legislative council each time. Magelang District's tariff automatically increases at a rate of 10% every six months, while Magelang City's increases by Rp. 50 every six months. Solo City's tariff increases every one to two years. As a result of this study tour, Bandung City's PDAM gained the full support of Bandung City's legislative council to implement an automatic tariff increase of 15% per year for the next four years.
- **Staff Recruitment.** The Field Finance Manager (Abrar) joined the team on March 27. Interviews were conducted for the Public Outreach and Communications Specialist and Akbar Ario Digo was hired to fill this position; he will start next

quarter. The Health and Hygiene Specialist is still being recruited.

- **Coordination with Other Programs in the Province.** ESP Central Java/DIY hosted the first coordination meeting with the USAID Local Governance Support Program's (LGSP) Central Java regional staff, which also has an office in Yogyakarta. Beginning in April, both ESP and LGSP will provide technical assistance to Magelang City Administration. Subsequent coordination meetings with LGSP will be held on a quarterly basis. ESP met with the staff of the USAID-Managing Basic Education (MBE) program to observe and provide input on the design of a water resources conservation board game that MBE jointly developed with PT Aqua that will be implemented in several public schools in Magelang City. ESP also met with the director and technical staff of Triple A, a Yogya-based consulting firm that implemented the recently completed 17-year, Swiss-funded Yogyakarta Urban Development Program (YUDP), to learn about their activities and obtain secondary data and reports.

SECTION 2.6

EAST JAVA

INTRODUCTION

The fourth quarter for the East Java Program has been one of consolidation of initiatives commenced towards the end of 2005. Many of these have focused on community mobilization in watershed management, waste, sanitation and changes in personal hygiene behavior. In each of these areas the quarter has seen significant milestones achieved. In the past three months important progress has been made in partnership with major water utilities across the region, particularly Malang City and District. Agreement has also been achieved for a partnership with the Surabaya PDAM, the largest in the Province.

In watershed management, the first upper Brantas land care group, *Fokal Mesra*, has formed as an outcome of the sustainable livelihoods assessment and training implemented by ESP East Java in the previous quarter. This organization combines the interests of several grass-roots farmer organizations and NGO's. A presentation to the Mayor of Batu City and heads of the government agencies resulted in its formal endorsement, local government financial support, and a commitment to implement many of the recommendations requiring government action that emerged from the 14 village planning groups.

In March, 37 volunteers from Wonokromo were officially inaugurated by the Mayor of Surabaya, recognizing their efforts in promoting household level waste separation, recycling and reduction. In conjunction with the NGO consortium KOMPOS and the Surabaya Waste Management Agency, ESP East Java interventions have already resulted in a 40% reduction in waste output from this local community, and a noticeably cleaner local water course which previously was used for much of the community's waste.

The quarter has also seen the completion of intensive village level training in improved personal hygiene through the "Hand Washing with Soap" Campaign. The three-month duration training activities in Wonokromo in Surabaya, and in Dinoyo and Mergosono in Malang targeted community health volunteers and key community leaders, such as teachers and religious leaders who extended the messages of care and cleanliness to 4,000 families.

Short-term consultants completed the first phase of engagement with the PDAMs in Malang City and District. Their reports stimulated further follow up in a range of areas including Non-Revenue Water, Customer Satisfaction Surveys, the status of water distribution systems, and training needs. Significant progress was also made with both PDAMs in preparations for further investment opportunities using private banks. Utilizing the DCA mechanism, significant progress on raising investment bank funds for PDAM Kota Malang has already been achieved. A key relationship with the PDAM in Surabaya has commenced which has the potential to achieve vital progress in the difficult question of extending water to the urban poor. Activities are also underway with PDAM in Pasaruan, Sidoarjo and Gresik Cities.

The past quarter has seen an acceleration of joint activities among the USAID Programs within the BHS Strategic Initiative in Wonokromo and Tambaksari in North Surabaya. These will expand in the coming months.

Over the next quarter the ESP program in East Java will engage more directly with the day to day activities of local government agencies using the synergy of relationships built since the ESP East Java Program began.

REGIONAL ACTIVITIES

Restoring the ecological functions of the Sumber Brantas Sub-Catchment: Consolidating a Grassroots Desire for Change. The Sumber Brantas Sub-Catchment is almost entirely within the boundaries of the City of Batu – a region known for its upland forests and apple orchards. This landscape has changed rapidly in recent years with the conversion of apple orchards and forest to vegetable gardens, and intensification of settlement through in-migration and the construction of holiday villas. From its source the Brantas River is contaminated with sediment, insecticides, and fertilizers. Localized flooding is a problem and the local government estimates 50% of the spring water sources have been lost. The Batu Government has declared a program of re-greening and a planning concept for a future “*agropolitan*” city dependent on its income from the resurrection of the original crops and an expansion of eco-tourism.

ESP joins hands with the Food Security and Nutrition (FSN) Program to deliver integrated basic human services to Tambaksari, North Surabaya.

In March ESP East Java commenced technical collaboration with World Vision to broaden the impact of the Basic Human Services Program in Tambaksari in north Surabaya. Here the level of income and the ethnic mix makes the achievement of improved health outcomes more challenging than in Wonokromo. ESP is assisting an embryo program begun by the NGO Bangun Pertiwi, and is providing technical and material support to World Vision in commencing their new *Handwashing with Soap* initiative.

An ESP East Java community livelihoods assessment and facilitator training program in 14 of the 23 villages in Batu was completed in January with the formation of the Land Care Group *FOKAL MESRA*. With technical assistance and facilitation from ESP specialists a coordinated presentation of grass roots problem analysis and planning was made by some 300 people of the participating villages to the Mayor, the leaders of the DPRD, and their public service agencies. The enthusiasm with which the people of Batu embraced the ESP initiative reinforced the position taken by Government.

As a result of the ESP intervention, the city government has adopted many recommendations emerging from the Land Care Group. These recommendations extended across the scope of ESP interests from water management and supply to waste and sanitation. For example, in Torong Rejo Village 1,000 trees have been planted along the roadways, while in Tulung Rejo a further 5,000 trees have been planted. In Wukir, 2.5 km of water pipe have been constructed extending water to 175 households. In Temas piped water has been provided to a further two sub-villages. In Pesangrahan the Batu Environment Agency enlisted the assistance of P.T. Petrokimia to construct a biogas facility to reduce the combined waste from the village animal husbandry industries entering the Brantas River. Finally, in Krejen and Klerek a TPS container has been provided by the Waste Management Agency to reduce the disposal of solid waste directly into the Brantas.

Following on from this success, ESP East Java continued to work with *FOKAL MESRA* and the group has completed an annual workplan identifying projects which are classified into those

which can be implemented by the community alone, and others which require government of other stakeholder support. Among the proposals to emerge is one to establish community based nurseries in six villages. Proposals for two of these were submitted in this quarter for ESP Small Grants. ESP East Java completed an initial three day nursery operations training course to 55 participants from the community and government and has been requested to support a follow up workshop to plan how the products from the nurseries can contribute to rehabilitation.

In February ESP facilitated training for 84 community forest guardians from villages around the periphery of the Grand Forest Park (TAHURA) Raden Soeryo. ESP is also working with the women's group, the PKK in these villages to reduce encroachment on the conservation reserve through economic resources substitution options.

The success of the Land Care Movement in Batu has been observed by groups elsewhere in the region and ESP East Java has been requested to assist establishment of similar Land Care Groups in Malang District and City and in Mojokerto District.

World Water Day provides an auspicious start for participatory WSM planning in the Temas micro watershed, Kota Batu.

150 participants from Temas Village joined ESP East java facilitators, specialists and representatives from Batu local government. Agreement was reached to construct treatment wetlands, promote increase awareness of sanitation, to implement projects utilizing solid waste for its economic value and to engage in land rehabilitation and water cycling as part of their WSM plan.

Improving Access to Clean Water. In the Malang Raya and Coastal Urban clusters there are eight PDAMs, all but the smallest of which have partnership activities with ESP. The network of PDAMs across the region is complex, as they vary widely in their capacities and the nature of their issues, including operational capacity and potential to extend water supply to the poor.

In Malang Raya the primary sources of raw water are from the groundwater springs which require minimum processing prior to distribution removing this important cost factor from the operation.

While more important raw water sources for the Malang PDAM, such as Wendit in District Malang, continue to show no problems with respect to their capacities, others such as Krabyakan are potentially more responsive to land use change. This situation will continue to create political sensitivities across the region with one significant issue being reimbursement between water users in one location and suppliers in another.

ESP East Java has identified this as a critical issue leading to pro-active facilitation of negotiations between Malang District and Sidoardjo District for access to Krabyakan Spring (cross-boundary issue). This focus is based upon the strategic importance of and acute need for a broader, systematic approach to the management of a water source. Other critical issues in the negotiations are focusing on the different sectoral users and the need for careful regulation of the recharge zone.

While the quality of raw water is not an issue for Malang City, what has emerged as a significant threshold issue is Non Revenue Water (NRW). In the last quarter the first stage of a short-term consultancy with the PDAM was completed to quantify this factor over three distribution zones, and a second phase begun.

The water sourcing issues for the PDAMs in the lowlands are different from those for upland PDAMs, with the main difference being that PDAMs in Gresik, Surabaya and Sidoarjo must obtain the bulk of their supplies from heavily polluted surface water. The offshoot of this is high energy costs involved in treating water prior to distribution.

To face some of these critical issues in East Java, ESP appointed a short-term consultant to survey energy use in the Gresik and Sidorarjo PDAMs. The purpose of this investigation is to determine how energy savings can reduce demand and free up financial resources for investment in expanding the customer base. An exciting aspect to this investigation is that similar assistance has been requested by Surabaya as part of the new strategic partnership ESP East Java recently established with this large PDAM.

PDAMs across the region also differ in the degree of urbanization. Batu City and Malang District still have many village-based water distribution systems (HIPPAM). In Malang District the PDAM also operates a highly decentralized system of smaller distribution stations (IKK). These small systems vary widely in the competence of their operators. Although individually small, the size of the overall network means that these systems remain important players in the distribution of water to many people.

Recognizing this, ESP East Java appointed a short-term consultant to investigate the IKK system in Malang District. The initial report was finalized in February. Among the recommendations was the need for operator training in basic water delivery systems. This recommendation is now being implemented in the design of a training course that will be delivered in April and May to an estimated 160 IKK and selected HIPPAM operators. At the same time, an initial assessment of the distribution and number of HIPPAM in Batu City has commenced in conjunction with the FOKAL MESRA, and the ESP East Java Watershed Management Team. The result of this assessment will be the selection of 10 village-based systems which will receive targeted assistance from ESP East Java commencing in the coming quarter.

Engaging the Community in Water Care and Hygiene: An Integrated Approach to Behaviour Change in Surabaya. In the past quarter ESP East Java activities have elicited such strong interest among our partners that it is clear there is widespread awareness among the people and local governments of the need to improve community and individual hygiene. ESP community-based solid waste and health and hygiene activities are continuing in Batu, and the rest of Malang Raya as well as Surabaya. Common lessons about how ESP is meeting this need are being drawn from all of these locations but are best expressed in Surabaya. ESP is driving a focus in Surabaya on integrated solid waste, sanitation, and health and hygiene activities in parallel with its rapidly expanding range of engagements with the PDAM.

PDAM Kota Malang moves forward with the NRW (Non Revenue Water) reduction program.

In this quarter ESP East Java concluded the first phase of its NRW work. The project focused on quantifying NRW for Pondok Belimbing Indah, Dinoyo Lama-I, and Tidar which collectively serve around 6000 connections. The second phase of this work also commenced in the present quarter and aims over the next months to provide the basis the PDAM to implement these investigations throughout its 23 zones, significantly improving its income and capacity to service a greater customer base with its present resource base.

The lesson that clean water for the poor is dependent on societal behavior change as much as on expanding infrastructure offers a window of opportunity for ESP to have the scale of impact envisioned in the original concept of the Program. It is becoming the glue to increased cooperation between ESP and the other two Basic Human Services programs represented in Surabaya: Food Security and Nutrition, and Health Services Program.

Case study-focused activities in community-based waste management, as well as the “Hand Washing with Soap” (HWS) Campaign have continued in the urban community in Wonokromo. These activities have resulted in significant successes. In mid-March, for example, 37 environmental volunteers from Wonokromo trained by ESP East Java in solid waste management were officially inaugurated in a ceremony by the Mayor of Surabaya. At this ceremony the Mayor made it clear that he wants such groups to be active across the city by the end of the year. Also, the HWS Campaign, working alongside, and often with the same community volunteers, is also obtaining a broad reach across the community.

During the children immunization campaign (also known as *Pekan Imunisasi Nasional/PIN*) Round Four, held on 27 February ESP volunteers demonstrated HWS at 71 locations reaching 3,500 children. Activities in March have reinforced the penetration of the HWS among community stakeholders with 152 young people from the youth organizations in Wonokromo committing to the campaign and 200 play group and elementary school students motivated through targeted games. 55 mothers have also combined for a meeting where they have been actively asking questions and seeking further information about the importance of hand washing with soap.

Community spokespeople are consistently saying that access to clean water is the key to sustaining and expanding individual hygiene and community hygiene. They are publicly advocating, for the first time, the imperative for improving public water utility access.

Further work in the Wonokromo case study needs to understand how the remaining household waste is removed first to TPS and then to final disposal. Although a field trip for 25 volunteers to the Benowa TPA has exposed them more fully to the chain of disposal, there remain significant constraints within the community over the payment for collection of waste. This is one issue which will need to be understood and solved in order for sustained local government support. There is an urgent need for debate over where individual and community responsibilities transfer to the agencies of government.

To maintain the enthusiasm and engagement of the Wonokromo volunteers, post-training activities are required to expand their experience and to utilize them in the broadening of these initiatives to other case study locations.

Towards the end of the quarter, ESP East Java added Tambaksari in North Surabaya to its list of case study sites. This community represents a less affluent and more ethnically diverse community than Wonokromo and will reveal more lessons about how best to drive grass

ESP East Java Handwashing with Soap Campaign is decreasing diarrhea in Surabaya and Malang.

Data from the Posyandu and Puskesmas in Wonokromo, Dinoyo and Mergosono, show that the incidence of diarrhea in these locations has declined as the ESP East Java Campaign unfolded during the last quarter. These data are supported by observations from school teachers in all locations who report a fall in the rate of illness among elementary students. In Mergosono where 5 hand washing facilities have been constructed since the campaign began, students routinely now queue to wash their hands before eating and after visiting toilets.

roots behavior change. In Tambaksari ESP will work closely with the USAID Food Security and Nutrition Program.

ESP East Java's policy of engaging *Majelis Islam Indonesia* (MUI) has continued to influence the success of its grass roots activities. Local Moslem clerics from whom it has previously been difficult to gain support, are enlisted through MUI direction. ESP's strategic relationship with MUI has also allowed it to facilitate an extension of support from MUI for the USAID-HIV/AIDS program and also the HSP.

OTHER HIGHLIGHTS

- **Resolving conflict between Perum Perhutani Malang and local communities for improved forest protection and rehabilitation.** Throughout the Malang Raya region villages are located in state forest under the authority of Perum Perhutani. ESP East Java identified that a major snag to improved conservation and rehabilitation lies in local co-management agreements between villages and the forest enterprise. ESP initiated negotiations between Perum Perhutani and 9 LMDH, achieving agreement to secure the boundaries of village enclaves (*wengkon*) in exchange for long term commitments for forest rehabilitation over approximately 4500 hectares.
- **East Java moves to institutionalize *Hulu and Hilir* linkages.** ESP East Java supported and contributed specialist input to public consultation in the development of a draft Governor's Proclamation to institutionalize the transfer of money from water users in the lowlands to watershed land managers in the uplands. The lead agency for this Environmental Services Payment is the Provincial Forestry Department, Multi-Stakeholder Forestry Program (MFP). This work is designed to ensure that draft legislation will be ready for DPRD Jawa Timur by June, laying the strategic framework for funding upland forest restoration.
- **Activities with Malang District's PDAM continue to expand.** Since ESP East Java began its engagement with this PDAM significant improvements in business performance in the past quarter have been reported, prompting requests for further technical support to improve disinfection of treated water. Training commenced to address basic concepts of water system management which will equip the PDAM to recognize, plan, and manage their own solutions and to take greater advantage of the investment assistance advice also provided by the ESP Municipal Finance Team.
- **Sanitation Mapping moving ahead in Surabaya and Malang.** Presentations to local government agencies in Surabaya, Malang City and Malang District were provided in February by the ESP and its partner BORDA, prior to commencing a GIS based sanitation mapping project. This project will assist the local governments of Surabaya and Malang District to make decisions on the form, location, and priority of future sanitation infrastructure projects and investments. The project will be started in the next quarter and be implemented in parallel to the construction of four community based sanitation systems for which ESP is providing cost sharing and software support. Ultimately, this work is targeted to attract multilateral donor funding in wastewater collection and treatment.

- **Solid Waste makes money for Wonokromo Community.** The ESP led community based solid waste management project being implemented in RW 06 in Wonokromo reached a milestone in March with the inauguration of 37 volunteers as community champions. Even though only 10 percent of the households are presently routinely engaged in composting and recycling activities, financial benefits to the community are flowing. Over Rupiah 1,000,000 has been made from selling compost used for potting plants for sale. Plastics are also forming the basis for the creative production of baskets and other handicraft.
- **ESP Public Outreach is significantly impacting the level of public debate.** ESP has been actively working in East Java since April 2005. Since March 2005 records have been kept of the numbers of articles, dealing with ESP issues, appearing in six newspapers with provincial distribution. Analysis of these data has shown an increase from nine articles in March 2005 to 70 in April 2005. Since that time the number of articles per month has averaged 57. Significantly, these figures have been highest during the Multi-Media Campaigns, reaching 88 for MMC 1, 115 for MMC 2, and 120 for MMC 3.
- **World Water Day 2006 makes a big splash in Surabaya.** Following the successful training by ESP East Java of 70 SMP students and staff from 10 schools throughout the Brantas Region in the last quarter of 2005, a World Water Day celebration with students from 36 schools and community groups was conducted in March. 900 people came together with ESP, the Surabaya Education Department and the Pring Woeleong Environmental Education Center to celebrate World Water Day with the Mayor and other public figures, including the Head of Nahdlatul Ulama (NU) in East Java. Activities included student displays of water purification, pollution monitoring and waste management, prize giving and the spice of local bands and school pantomime. Also participating were the US Consulate General of Surabaya, Ms. Claire Pierangelo, and a visiting USAID writer, Ms. Virginia Foley.

SECTION 2.7

SPECIAL CONCERN IMPERATIVE AREAS

INTRODUCTION

Beyond the High Priority Provinces, work also continued in the Special Concern Imperative Areas of Balikpapan, Manado, Jayapura, and Manokwari. Although a small part of the overall ESP program, significant achievements can be made by leveraging and partnering with other bilateral and multilateral programs. This section highlights progress during the current reporting period.

BALIKPAPAN

Discussions with the Bappeda in Balikpapan continued this quarter regarding the proposed scope of work for the municipal bond issue and are expected to be finalized in the upcoming quarter. The bond issue is likely to cover the requirements of the municipality for additional water harvesting from the watershed in amounts that are approximately two to three times in excess of the volume of water currently available. The bond issue may also cover the municipality's sanitation needs for approximately 25,000 households up through the year 2015.

MANADO

ESP reached an agreement this quarter with WMD (Dutch Water Utility working in Eastern Indonesia) for a joint program with PDAM Manado. The first priority identified was to undertake a complete household census for the Manado City to collect data concerning water and sanitation facilities, problems, technical issues, water meter condition, and customer classification. The collection of this data represents a critical step towards the improvement of PDAM operation, increasing revenue, and identifying areas for technical improvement. A competitive tender for the census work was undertaken and, of the five candidates, De la Salle University provided the best overall bid. A contract was subsequently signed in February with the university, and enumerator training was carried out during March. The actual census will commence in April. Importantly, the cost of the PDAM Manado household census will be implemented under a 50-50 percent cost-sharing arrangement with WMD, with each partner covering approximately 40,000 households.

The second major activity between ESP and WMD is the development of certified PDAM operator training modules. These training modules are to be developed in close collaboration with the PERPAMSI Training Foundation and another Dutch water program working for Aceh Province. Several meetings were held this quarter to develop the module layout, topics, and selection of module writers. Currently, one ESP short-term consultant is based in Manado to support both the household census and training module development. Actual module writing will begin in April/May, with the first training conducted in July 2006.

JAYAPURA

ESP has formalized an agreement with WMD to utilize the ESP office facilities for their new initiative to develop a new water supply system within the Jayapura municipality for an area currently not covered by the PDAM. The system will be fully funded by WMD and operated by PDAM and will increase access to approximately 500 households.

SECTION 3

NATIONAL & PROGRAM MANAGEMENT UPDATES

INTRODUCTION

In this Section, we present a more detailed account of the Program's activities at the national level as well as significant achievements related to Program Management. This Section is divided into the following Sub-Sections:

Section 3.1 National Updates

Section 3.2 Program Management Updates

SECTION 3.1

NATIONAL UPDATES

INTRODUCTION

Section 3.1 provides an update on initiatives within ESP's technical components that are occurring at the national level and which are therefore not associated with a defined geographic region.

ENVIRONMENTAL FINANCE

Proposal for a National Water Revolving Fund to Improve Access to Sustainable Financing. During the month of January 2006, presentations were made to various key government officials, including Directorate General Mulia of the Ministry of Finance (MOF), regarding an ESP proposal to create a national Water Revolving Fund. Given the significant interest demonstrated by government ministries in learning more about the operation of WRFs in the United States and elsewhere, invitations were issued to six key officials from MOF, MOHA, MPW and BAPPENAS to attend a water revolving fund workshop in Manila, Philippines on February 20, 2006. The officials were accompanied by Ms. Trigeany Linggoatmodjo, Program Specialist, USAID Basic Human Services Division and Mr. Robert Parra, Municipal Finance Advisor, Environmental Services Project (ESP).

What is a water revolving fund?

No single acceptable definition exists for a water revolving fund (WRF) but the concept generally involves a specialized financial intermediary, usually owned by the public sector, wholly dedicated to the provision of term debt financing of water, sanitation and environmental projects.

The WRF concept was originally created in Canada and the US in the early 1960's and has worked very well towards improving access of water utilities to credit and capital markets of those two countries.

The purpose of the workshop was to learn about the organization and operation of water revolving funds and, in particular, the status and next steps for implementation of the new Philippines Water Revolving Fund.

ESP has developed a concept study to create a national water revolving fund with the objective of assisting the Government of Indonesia to find more effective ways of meeting its Millennium Development Goals pledges. The latter involve, among other matters, financing an ambitious expansion of water service delivery, household water connections, and access to sanitation facilities across the nation by 2015. The proposal for creating such a fund has been approved by the government for further study and a feasibility study is now underway by ESP. During the month of April 2006, Ministry of Home Affairs and Ministry of Public Works have scheduled seminars which feature presentations of the Indonesian Water Revolving Fund concept.

ESP and MOF Agree to Collaborate on the Drafting of a PMK Regulation to Govern Municipal Bond Issuance. An offer by ESP to assist MOF and BAPEPAM with the drafting of a PMK regulation to govern municipal bond issuance has been accepted by MOF, and a preliminary draft of a scope of work has been drawn up and is now under review by MOF/BAPEPAM personnel. ESP has also provided MOF with a copy of the proposed SOW

to assist the municipality of Balikpapan to issue a municipal bond in early 2007. The government counterpart in charge of this activity will be Arlen Pakpahan of MOF.

Negotiations to Begin with BRI Regarding a Micro-Credit Financing Facility. ESP concluded in January 2006 an independent evaluation of a small pilot micro-credit program designed to finance lower income households, implemented by Bank Rakyat Indonesia (“BRI”) in the district of Tanah Datar in West Sumatra. Based on the positive results achieved by the bank, the ESP Finance Team is in the midst of a dialogue with the same institution to roll out a much larger program to selected utilities in Java and Sumatra. Although micro-credit is a robust industry in Indonesia, the Indonesian banking community has not traditionally provided micro-credit to finance consumer water connections. The small pilot program initiated by BRI and evaluated by ESP, therefore, is a first-of-its-kind project. BRI will be requesting support from ESP as a precondition for agreeing to expand its lending activity in this area. Discussions and, if appropriate, negotiations related to this support will commence on, or about, 11 April 2006.

WATERSHED MANAGEMENT & BIODIVERSITY CONSERVATION

The WSM Team facilitated a series of interrelated short-term consultancies this quarter to strengthen overall delivery of WSM activities in the field and at the policy level. These include the following:

- Dr. Darrell Kitchener continued to provide technical support on strengthening biodiversity conservation activities in WSM component work. Starting with an overview of biodiversity conservation objectives and locations in ESP HPPs, Dr. Kitchener is ensuring WSM sites are in watersheds of high biodiversity value, our activities contribute to biodiversity conservation, and biodiversity conservation is incorporated into all aspects of ESP’s community-based WSM work. Additionally, Dr. Kitchener is spear-heading a pilot integrated watershed management planning process in Cianjur, West Java, that will be rolled-out to the entire program in the coming quarter.
- Chris Bennett worked with the WSM Group to better understand technical and policy opportunities and constraints impacting ESP reforestation and land rehabilitation initiatives. Mr. Bennett introduced ESP staff to a number of NGOs and community organizations currently engaged in progressive land rehabilitation initiatives, and ESP staff members were thus able to get a better understanding of policy constraints that must be overcome to stimulate scaled-up impact. Of particular interest, a number of community organizations across Java are negotiating land use agreements with the state forest company Perhutani. Incentives vary, and long-term security in these relationships is often somewhat weak. Clarifying these relationships could stimulate significant expansion of community-based forest rehabilitation in upper watersheds across Java.
- Sean Foley, Nugroho, and Wahyu worked with ESP WSM and Agroforestry staff on the design of a Training of Trainers (TOT) program necessary to train-up at least thirty Field Assistants and program partners to facilitate WSM Field Schools in ESP’s HPPs. This TOT will build off recent success with the facilitation of Sustainable Livelihoods Assessments, and will significantly enhance ESP’s capacity to ramp-up community-based WSM initiatives across the country. Besides targeting specific WSM outcomes of land rehabilitation and biodiversity conservation, skills will also be developed to address community-based clean water and sanitation, as well as a

range of important health and hygiene issues. The TOT is scheduled for July to September, with the first round of Field Schools set to launch in October 2006.

Additionally, the WSM Advisor and Team held a number of constructive meetings with the Ministry of Forestry, specifically with the Secretary General and the Director General for Land Rehabilitation and Social Forestry (DG-RLPS) to discuss innovative approaches to stimulate reforestation initiatives on critical land across Indonesia. Agreement was reached to broaden the kinds of tree species and planting material that can be used in reforestation initiatives from just timber trees to fruit trees, bamboo and integrated agroforestry cropping systems. Talks are underway to assess other aspects of GOI-driven reforestation initiatives in terms of technical design and budgeting in order to stimulate more effective impact in land rehabilitation.

SECTION 3.2

PROGRAM MANAGEMENT UPDATES

INTRODUCTION

Section 3.2 provides an update on broader Program Management issues, including program operations and reporting, the small grants program, public outreach, geographic information systems, and monitoring and evaluation.

PROGRAM IMPLEMENTATION & REPORTING

- **USAID Inter-Project Coordination Meeting.** In March ESP hosted the quarterly USAID Inter-Project Coordination Meeting at its ESP/Jakarta Office. This quarter's meeting was attended by Mr. Bill Reynolds of the USAID/Indonesia Office of Procurement. Mr. Reynolds provided an overview of the Office of Procurement and responded to questions from the contractors and grantees in attendance.

SMALL GRANTS PROGRAM

One small grant was awarded this quarter to Yayasan Akar Rumput Laut to work in collaboration with local communities, NGOs and local government agencies to rehabilitate mangrove ecosystems in the District of Langkat in North Sumatera. A total of five grants are currently on-going, with a total obligation so for this year of US\$70,650. For next quarter, ESP is anticipating receiving a high number of grant proposals from each of the high priority provinces and estimates that the obligation will increase to approximately US\$ 285,000. ESP anticipates that four proposals will be submitted from North Sumatera and East Java, two proposals from West Java, one proposal each from North Sulawesi and West Sumatera, and six grant proposals from DKI Jakarta. The six grant proposals for Jakarta includes five RARE PRIDE rehabilitation campaign managers training and campaigns and one for a study on the Payment for Environmental Services or PES in the ESP geographic areas. While Central Java remains in the planning stage, they also anticipate the submission of at least two grants proposals in the coming quarter.

ESP also completed a Small Grants Program Strategy for this year during the reporting period. Notably, ESP plans to receive a number of proposals from NGOs through the full and open or limited competition. However, to assist each high priority provinces with the process, ESP will hire a short-term consultant to work in collaboration with the respective Regional Advisor and staff in designing the request for proposals (RFP).

PUBLIC OUTREACH MULTI-MEDIA CAMPAIGNS

ESP launched two multi-media campaigns during this quarter. In February, ESP worked with USAID/BHS partner Aman Tirta on a "Point of Use Water" and Air Rahmat campaign. Implemented in all HPPs, this campaign focused on water quality testing and learning about point of use water treatments with a broad range of school groups. Besides teaching children about water quality and point of use water treatment options, these school-based activities generated significant media coverage at the local and national level.

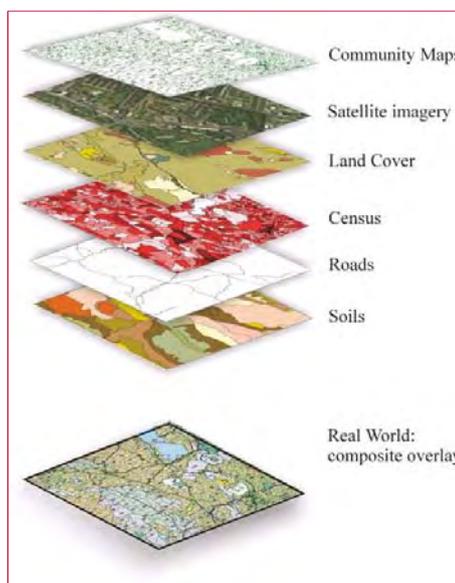
ESP also launched a World Water Day Multi-Media Campaign in all HPPs. World Water Day events brought thousands of school children, community members, and government leaders

together to better understand critical water issues and to commit to resolving them. A highlight was a one-day event at Jakarta’s National Monument, led by Governor Sutiyoso and conducted in collaboration with the Dilts Foundation and more than 1,300 children. ESP also worked with Coca Cola and USAID to launch their new GDA, Cinta Air, on World Water Day. This three-day event included school children visiting upper- and lower-watershed areas and learning about impacts on water quality. Please see Section 2 for more information on the impact of these public outreach campaigns in the respective provinces.

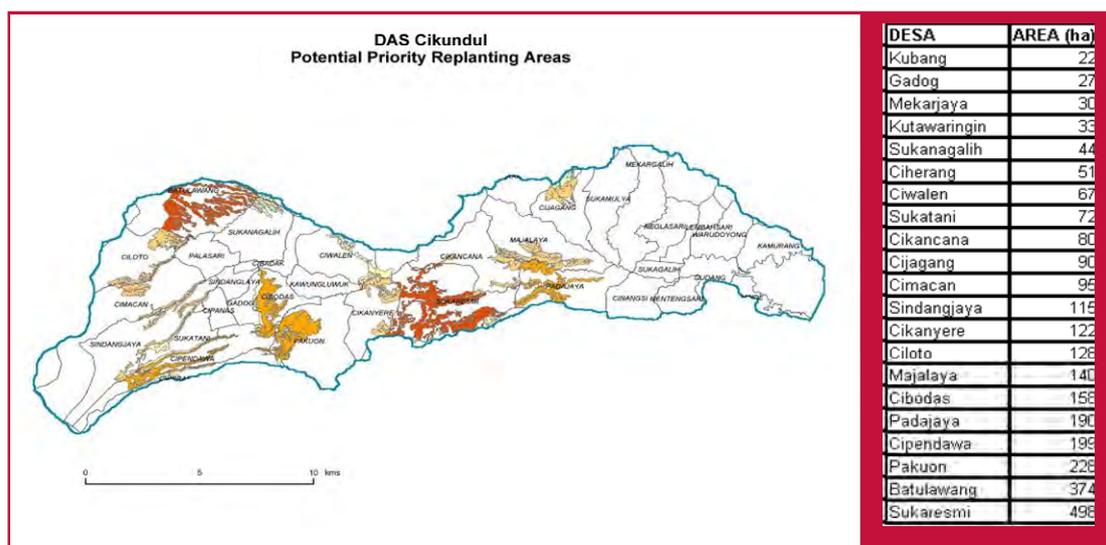
GEOGRAPHIC INFORMATION SYSTEMS

During this quarter, ESP’s GIS Team further developed the application of the “Development Pathways” approach as a GIS-based planning and management tool, and also engaged in significant training and capacity building to strengthen skills in spatial imaging. Ioana Bouvier, from the DAI Home Office, spent three weeks in February training the GIS Team in ArcGIS with particular emphasis in raster management and spatial planning. This training focused on the establishment of a Development Pathways case study in the Cikundul sub-catchment area, in Cianjur, West Java.

Briefly, the Development Pathways approach for integrated planning and action is defined as an objective-oriented flexible framework to plan interventions, direct resources, and monitor activities. The approach is aimed at integrating local knowledge and factors in a single landscape context



Development Pathway Approach used in Geographic Information System.



Example of Selection of Priority Replanting Areas in Sub watershed Cikundul

to visualize the map(s) of greatest potential for a specific objective: the “Development Pathway.” While this approach holds great promise for all aspects of ESP’s work, it is particularly useful in watershed management planning. The graphic below, for example, shows an example from the Cikundul WSM planning exercise. A set of criteria defined by the technical experts was used to develop a map that can inform decisions through illustrating the greatest potential: the pathway map. In this example, the areas of greatest potential for replanting were selected using a slope criteria (over 20 percent) and land use/land cover category.

More advanced applications of Development Pathways are now being rolled-out across ESP’s HPPs.

PROGRAM MONITORING AND EVALUATION

Project Monitoring and Evaluation activities during this quarter focused on the preparation of the ESP Health and Hygiene Formative Research. This purpose of this study is to gather more information to further inform the results of BHS Baseline Study. The preparation stage of the Formative Study was supported by two consultants of CCP/JHU, Maria Elene Figueroa and Patricia Poppe, as well as DAI Senior Development Specialist Mr. Christopher McGahey. These consultants assisted ESP in developing the research protocols and in identifying the key issues that must be addressed to achieve ESP’s mission of promoting better health through improved water resource management and expanded access to clean water and sanitation services.

In addition to the Health and Hygiene formative research, ESP continued to improve its Performance Monitoring Plan. After submitting the PMP in December 2005, ESP received comments from BHS USAID Team concerning the need to further synchronize the ESP PMP and the BHS PMP. ESP plans to submit a revised version in late April 2006.

PROGRAM QUALITY ASSURANCE

- **Performance Reviews.** ESP completed its first round of performance reviews for all staff, both technical and administrative, across the program this quarter. These reviews, which will be carried out henceforth at the close of each calendar year, are an important aspect of ESP’s overall quality assurance strategy.
- **ESP External Auditor.** ESP solicited bids from four accounting firms to perform an audit of ESP’s financial records. Following a review of the bids, it is anticipated that the audit will begin by the close of the next quarter.

SECTION 4

PROJECT MONITORING & EVALUATION

INTRODUCTION

This section contains a chart listing the major components of the Environmental Services Program, along with progress to date against the indicators and second year targets for those indicators, as per the ESP *Performance Monitoring Plan*. The finalized ESP PMP, which was submitted in December 2005, contains the following components:

- **Cross-Cutting Themes Program Management;**
- **Watershed Management and Biodiversity Conservation (WS);**
- **Environmental Service Delivery (SD);**
- **Environmental Services Finance (FN); and**
- **Environmentally Sound Design in Aceh (ESD)**

ESP PROGRESS BASED ON PMP

PERIOD: JANUARY - MARCH 2006

Component: Cross Cutting Theme/Integration

Deliverable	Indicator	Second Year Target	Progress
Leveraging other financial support for Environmental Services Program	<ol style="list-style-type: none"> 1. Level of funding to support ESP activities 2. Number of Public Private Partnership (PPP) developed to support ESP activities 	<ol style="list-style-type: none"> 1. \$ 500,000 (\$ 2,000,000 over project life) 2. 5 PPPs (25 PPPs over project life) 	<ul style="list-style-type: none"> • Total leveraging for this period is about \$ 157,000. This total amount come from sources including: <ul style="list-style-type: none"> – Cost-sharing of the implementation of household survey in Purwakarta, Bandung and Manado. This program collaborates with the PDAM in those districts. Total leveraging from this program is \$ 90,000. – A total amount of \$ 67,000 (Rp. 600 Million) from TARKIM on construction cost of the development of two communal septic tanks in two villages in Bandung District (Rancamanyar and Nanjung Villages). ESP played role on community preparation activities (planning, decision making and engaging the communities in the program in order to have a sustainable CBS system and a better healthy environment. • Total leveraging through the second quarter of the second year is \$ 537,000. This exceeds the second year target.

<p>Collaborative program to support the Strategic Objective (SO) of Basic Human Service (BHS)</p>	<p>Number of integration program between ESP and other USAID Program</p>	<p>Two joint programs of integration conducted by ESP and other USAID partners per year (10 joint programs over project life)</p>	<ul style="list-style-type: none"> - During in this quarter, ESP conducted four collaborative programs with other USAID Program across the HPPs. This includes: <ul style="list-style-type: none"> o Collaboration with Aman Tirta (SWS) on the implementation of POC campaign on MMC#3 in 6 provinces (N. Sumatra, W. Sumatra, DKI Jakarta, Banten, W. Java and E. Java) on Point-of-Use Safe Water. o ESP facilitated a World Water Day Campaign with collaboration from Decentralized Basic Education Program (DBE)-USAID, Aman Tirta (SWS) and other supports from the private sectors, Coca Cola System Indonesia, Aqua Danone TBK and McDonald Indonesia. o Collaboration with LGSP on education and advocacy for agricultural sectors in North Sumatra. This includes training in January 2006 in Karo District that mobilized ESP partners such as KERINA and IPPHTI. - ESP has surpassed this year’s target by conducting seven (7) collaborative programs to date with other USAID programs.
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<p>Public Outreach and Communication</p>	<ol style="list-style-type: none"> 1. Number of campaign conducted by ESP 2. Number of campaign conducted by ESP partners/stakeholders 3. Number of materials produced for advocacy and BCC activities 4. Number of ESP partners/ stakeholders with improved advocacy and BCC capacity 	<ol style="list-style-type: none"> 1. Twenty (20) campaigns conducted by ESP (100 campaigns conducted by ESP over project life) 2. Ten (10) campaigns conducted by ESP partners/ stakeholders (50 campaigns conducted by ESP partners over project life) 3. Ten (10) sets of materials produced for advocacy and BCC activities (50 sets of materials produced for advocacy and BCC over project life) 4. Seventy (75) partners/ stakeholders with improved advocacy and BCC capacity (275 partners/stakeholders with improved advocacy and BCC capacity over project life) 	<ol style="list-style-type: none"> 1. This Quarter, ESP conducted 6 Public and Outreach Campaign campaigns. Total achievement up to this quarter is 12 campaigns. The total achievement is 60% of target of this year. The activities were: <ul style="list-style-type: none"> o MMC #3 on the topic of “Safe water point of use”. The MMC#3 was conducted in HPPs in collaboration with Aman Tirta (SVWS) program to support Air RahMat launching, through the implementation of activities including water testing, seminars, journalist discussions, journalist field visits, public discussions, and media campaigns. This marks the first time ESP conducted a campaign in Jakarta, where it then received significant national media coverage. o Events to commemorate World Water Day were held in 3 HPPs. Also, ESP supported the Cinta Air launching (CWPP) program in Bekasi. o Four campaign activities supporting WSM issues have been conducted in Mojokerto-Surabaya (East Java), Cianjur-Bekasi (West Java), Medan-North Sumatra, and Padang (West Sumatra). 2. There were four campaigns conducted by ESP partners/stakeholders during this quarter in Jakarta, Cianjur, Surabaya (East Java) and Padang (West Sumatra). The campaign was conducted by Yayasan Dilts (Jakarta), Radio BioPlus (Cianjur), Yayasan Nanda Orang Utan (Surabaya) and Dinas Kehutanan for Kecil Menanam Dewasa Memanen (KMDM) - (Padang). This achievement reaches 40% of targets for this year.
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			<p>3. Over the Quarter, ESP produced 6 sets of campaign materials on Safe Water Point of Use, 'Cinta air', World Water Day, environmental campaign in East Java and Padang ranging from media fact sheets, press release, leaflets, poster, flyers, big banner, <i>baliho</i>, radio ad, print ad, TV, talk show, radio talk show, to event gimmicks. Total achievement up to this quarter is 7 campaign material sets produced. 70% target of this year's target has been achieved.</p> <p>4. During the quarter, there were 31 organizations exposed to ESP campaigns, as they were involved as implementing partner/resource person in an event and or media campaign. (University, 1; government agencies, 20; media, 2; NGO, 2; schools, 7; and private sector, 1). To date, total achievement is 37 organizations exposed to ESP campaigns, or 49% of the total target for this year.</p>
<p>People participation in the ESP trainings and workshops</p>	<p>Number of people participate in ESP training and workshop</p>	<p>Three thousand (3,000) people trained. (12,000 people trained over project life)</p>	<ul style="list-style-type: none"> • This quarter, ESP involved 1,859 people in ESP training, workshops and seminars. The percentage of women participating in ESP activities reached 27.72%. A total budget of \$ 113.854,50 was spent for the training activities through the Quarter. • To date, a total of 7,410 participants participated in the ESP training, workshop and seminar. This achievement exceeds the target for the second year. The total accumulative budget for the training activities up to this period is \$416,876 • Women participation increased to 27.72% compared to 26.65% last Quarter.

Component: Watershed Management and Biodiversity Conservation (WS)			
Outcome	Indicator	Second Year Target	Progress
WS Outcome #1 – The formation of adequate policies at the local level to recognize the tenure and/or access rights of communities to manage their forests and watershed areas, and implement transparent and participatory district-level management of forests, thus reducing conflict and illegal logging	Number of new policies recognizing land tenure and access rights of communities to manage forest land and watershed area	N/A (5 new policies over project life)	<p>ESP does not anticipate achieving this year, though ESP continues to work toward target. Some progress towards targets include:</p> <ul style="list-style-type: none"> • Public consultation on a draft local decree for development of institutions for environmental services payment were conducted in several parts of East Java. • Draft SK Walikota Kota Batu to ban agriculture activity in 15 plantation areas (Perhutani area) which were converted to up land vegetable area through illegal encroachment. • Public consultation on Draft Perda Revisi Rencana Tata Ruang Provinsi Sumatera Barat 2006 – 2019
WS Outcome #2 – In each High Priority Province, improvement of watershed function in areas supplying water to urban centers and PDAMs as measured by a 50% increased in rehabilitated land (total area of degraded land where trees, commercial or non-commercial are planted)	Increase in area of rehabilitated land and forest, presented as percentage and in hectares	10% (7,046 hectares) (50% = 35,320 ha over project life)	<ul style="list-style-type: none"> • ESP has planted or facilitated the planting of 67,650 seedlings and trees in 8,841.6 hectares through rehabilitation activities across HPPs during this quarter. This achievement exceeds annual targets. • The details of the rehabilitation program listed as follow: <ul style="list-style-type: none"> ○ <u>North Sumatra</u>: 500 trees were distributed to 11 participating primary schools as part of Medan Re-Greening Program. 10 community groups developed community nurseries in Karo and Deli Serdang District, with KERINA and MFPS. 74 ha of trees were planted with partners in Karo, Deli Serdang and Samosir Districts. This program was supported by KERINA and the Provincial Government (Bapedalda)

			<ul style="list-style-type: none"> ○ <u>West Sumatra</u>: Total area planted was 401.5 ha. Total seedlings planted were 15,900 seedlings. The tree planting program was conducted along 400 ha of riverbanks in Padang Municipality (10,700 seedlings), 055 ha in Lambung Bukit (200 tress) and 1 ha in Limau Manis (5,000 sedlings) ○ <u>West Java</u>. Total 8,242.1 ha have been planted with 20,250 seedlings. In Subang, total 7,990.7 ha have been planted in Cijengkol, Cijambe and Curugrendeng Villages as well as 7 other villages in Subang to support the PDAM Protection Zone in Cibulakan Sub-village of Cijambe Village. 251.4 ha have been planted in Cianjur District, including 250 ha in Cilaku Village and 1.4 ha in PDAM Protection zone of Cilembu and Cirumput Villages ○ <u>East Java</u>. Total 31,000 trees have been planted on 124 ha through rehabilitation and tree planting activities, including: <ul style="list-style-type: none"> - Mojokerto: 13,000 trees were distributed and planted on 52 ha of degraded land with support from ESP in collaboration with NGO Sehat Lingkungan - In Surabaya, total 48 ha have been planted through tree planting programs in collaboration with: (i) PKK: 2,500 trees in 10 ha; (ii) NGO Tunas Hijau: 500 trees in 2 ha; (iii) Pemkot Surabaya: 9,000 trees in 36 ha. - ESP East Java support for Kota Batu community self reliance activities: Tulung Rejo village: 5.000 trees have been planted in 20 ha of degraded land. 1.000 trees have been planted along 4 ha of Brantas river bank.
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<p>WS Outcome #3 – In each High Priority Province, the area of forest with high biodiversity conservation value under improved, local management increases by 50%</p>	<p>Increase in forest area with high biodiversity value under improved, local management, presented as percentage and in hectares</p>	<p>10% (16,530 hectares) (50% = 82,650 ha over project life)</p>	<ul style="list-style-type: none"> • During in this quarter, ESP continued to work in several forest areas of high conservation value. This includes work in Tahura Bukit Barisan in North Sumatra (51,000 ha), Tahura Bung Hatta in West Sumatra (23,000 ha), Suaka Alam Barisan I in West Sumatra (74,821 ha), Tahura R. Suryo in East Java (20,000 ha), and Gunung Gede Pangrango NP in West Java. • Total area under improved local conservation management is estimated at 8,000 ha as a result of the following activities: <ul style="list-style-type: none"> ○ Mapping of forest cover as part of “Development Pathway” for Tahura Bukit Barisan (N. Sumatra) ○ Assessment and review of multi-stakeholder and co-management of watershed and protected areas in Tahura Bung Hatta and Suaka Alam Bukit Barisan I in West Sumatra ○ Training for 84 community forest guardians from villages around the periphery of Tahura R. Suryo to strengthen the sustainable livelihood development and ○ Consolidation of forest co-management agreements with Perhutani with LMDH (Lembaga Masyarakat Desa Hutan in Batu Malang (East Java)
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<p>WS Outcome #4: In Aceh, improvement in watershed function with additional focus on the coastal margin directly impacted by the tsunami, as measured by implementation of at least 15 targeted community-based land rehabilitation activities</p>	<p>Number of community-based coastal rehabilitation activities implemented to improve the functioning of the watershed area impacted by the tsunami</p>	<p>3 community-based coastal rehabilitation activities (15 community-based coastal rehabilitation activities over project life)</p>	<ul style="list-style-type: none"> • There were two main community-based coastal rehabilitation activities conducted in Aceh this Quarter. • <u>First</u> activity was Sustainable Livelihood Assessment in 4 villages of Aceh Jaya District such as Sawang, Kuala Meurisi, Keude Krueng Sabee and Lam Senia. From this assessment base information of potential rehabilitated land/areas and tree species for nursery development have been identified. • <u>Second</u> activity was planting vetiver grass program in Lamkruet Village of Lhoknga Sub-district of Aceh Besar District.
<p>WS task #1 – Development of Watershed Management Plans</p>	<p>Number of WSM plans actually have funds for implementation</p>	<p>6 WSM plans developed (34 WSM plans developed over project life)</p>	<ul style="list-style-type: none"> • ESP expects to develop 6 WSM plans across the HPPs by the end of this year. The WSM plans are being developed through the Multi-stakeholder WSM Forums and community networks. No WSM plans have been completed, but progress is significant. • Up to this quarter ESP has selected 10 watershed areas that have potential to develop the WSM plans such as DAS Krueng Aceh and Krueng Sabee-Geupu in Aceh, JAS Deli and Wampu in North Sumatra, Das Batang Air Dingin, Batang Kuranji and Batang Arau in West Sumatra, DAS Citarum in Cianjur (sub-das Cikundul and Cilaku) and DAS Ciasem in Subang, DAS Progo and DAS Upper Brantas. The WSM plans will be expected come from these DASs. • Continuation to support the initial WSM Multi-stakeholder Forum was continued in all HPPs to work on the development of WSM plans. • Pilot WSM Action Plan concept developed and under development in Cianjur.

<p>WS 1-4 Community groups supporting improved natural resource management created</p>	<p>Number of community groups implement activities to improved natural resource management</p>	<p>25 community groups implement activities to improve NRM (150 community groups implement activities to improved NRM over project life)</p>	<ul style="list-style-type: none"> • A total of 85 community groups across HPPs implemented activities to improve natural resources management. This includes: • Aceh: 7 community groups in two districts (Aceh Besar and Aceh Jaya; 4 community groups are located in coastal area) • North Sumatra: 29 community groups from 2 districts (Karo and Deli Serdang District) • West Sumatra: 10 community groups from Padang Municipality • West Java: 26 community groups from two districts (Subang and Cianjur District) • East Java = 13 community groups in Batu Municipality
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Component: Service Delivery (SD)

Outcome	Indicator	Second Year Target	Progress
<p>SD Outcome #1 – Technical operation and financial management of at least 33 PDAMs is improved in resulting in a 20% increase in revenues from existing water production. A minimum of 3 of these PDAMs shall be in Aceh withdraw</p>	<p>Number of PDAMs providing better services</p>	<p>8 PDAMs (33 PDAMs over project life)</p>	<ul style="list-style-type: none"> • Up to This quarter, ESP has worked with 20 PDAMs across HPPs and Manado (SCIA) to support the improvement of technical operation and financial management of PDAM in order to increase revenue. Total cumulative target for SD #1 up to the second year is 16 PDAMs. In terms of number of PDAM, ESP has exceeded target for the second year. • The PDAMs are 3 PDAM in Aceh (Banda Aceh, Aceh Besar and Aceh Barat); 3 PDAMs in North Sumatra (PDAM Tirtanadi-Medan, Karo and Langkat; 3 PDAMs in West Sumatra (Padang, Bukittinggi, and Solok Municipality); 9 PDAMs in West Java (Bogor District and Municipality, Subang, Cianjur, Bandung District and Municipality, Sukabumi District and Municipality, and Purwakarta); and 2 PDAMs in East Java (Malang District and Municipality) • Several activities have been conducted to improve the technical operation and financial management as follow: <ul style="list-style-type: none"> ○ Training for PDAM Staff in Aceh and East Java on the strategic management, water quality monitoring, non-revenue water reduction and GIS ○ Household survey in PDAM Purwakarta, Bandung and Manado ○ Customer Satisfaction Survey in North Sumatra ○ Direct Technical Assistance in systems improvement for PDAM Malang ○ Workshop CSS & Soliciting Stakeholders in PDAM Solok District & PDAM Padang City

			<ul style="list-style-type: none"> ○ GIS Exposure to PDAM Jambi, Participated by PDAM staff from Padang City, Tanah Datar & Solok District ● ESP has been planned to expand work with other 5 PDAMs in East Java and West Java (Surabaya, Pasuruan Municipality, Gresik, Sidoarjo and Cirebon)
SD Outcome 2 – Population with access to clean water is increased by 20% in ESP geographic areas except for Aceh. In the tsunami impacted areas of Aceh, population with access to clean water is doubled	Percent and number of household that use an improved water source	5% increase (=35,000 HH) (20% increase = 140,000 HH over project life)	<ul style="list-style-type: none"> ● Up to this quarter, ESP is still continuing to count the PDAMs’ connections. The complete data is expected to be completed in the next quarter. ● Beside counting the PDAM connections, there are several activities have been done to support the achievement of this outcome, such as: <ul style="list-style-type: none"> ○ ESP through the Finance Team work with Ministry of Finance to create the National Water Revolving Fund to improve access to clean water and its sustainability of finance ○ ESP Finance Team also initiated a negotiation with BRI to provide micro-credit for access to clean water. This initial project has been started with BRI Tanah Datar – West Sumatra.
SD Outcome 3 – In Aceh, at least 20 return communities have developed and are implementing improved water quality, sanitation and solid waste management	Number of return communities in Aceh develop and implement improved water quality, sanitation and solid waste management	3 communities (20 communities over project life)	<ul style="list-style-type: none"> ● During this quarter, ESP has been work with three communities in Lamkruet, Blang Lambaro and Jruk Balee to develop initial water and sanitation plans. ● There were several initial activities to achieve the target made for the second year program such as 6 watsan assessments and developed plans with CARE to improve sanitation in Nusa.

<p>SD Outcome #4 – At least 5 sewage treatment proposals are developed in conjunction with local or provincial government and submitted to international development banks, such as Japanese Bank for International Development (JBIC), for funding consideration</p>	<p>Number of sewage treatment proposal developed and to be funded by international development bank</p>	<p>N/A (5 proposals over project life)</p>	<p>There is limited progress of this outcome during in this quarter. However the follow up activities of the previous quarter have been made such as 1) completion of the report of ESP comparative study for all domestic sewerage system in Indonesia; 2) continuation discussion with Government officials and legislators of East Java Province on the results of Study Tour to Malaysia</p>
<p>SD Outcome #5 – At least 15 solid waste management plans are developed and implemented. Of these, a minimum of 5 community plans for restored and new facilities will be developed and implemented for return communities in Aceh</p>	<p>Number of community-based Solid Waste Managed Systems (SWMS) developed and implemented</p>	<p>2 SWMSs (15 SWMSs over project life)</p>	<ul style="list-style-type: none"> • During in this period, ESP continued to support the development of solid waste management system in 7 sites across the HPPS (Aceh Jaya, Aceh Besar, Medan/North Sumatra with JBIC, Subang, Cianjur and Bandung (West Java) and Wonokromo-Surabaya/East Java). The progress made in one site was different from another site. Below is the details progress made in each location: <ul style="list-style-type: none"> ○ <u>Aceh Jaya and Aceh Besar</u>: conducted watsan assessment ○ <u>Medan/North Sumatra</u>: collaboration with JBIC and Local NGO <i>Bis Perduli</i> conducted several activities such as initial household survey, public forum on village regulation regarding solid waste management, community facilitator training and mass actions for community clean-up ○ <u>Subang/West Java</u>: conduct district wide feasibility study to identify the pilot site of development of community-based solid waste management ○ <u>Cianjur/West Java</u>: conduct feasibility study in three villages such as Sukamaju and Nagrak (Cianjur Sub-district) and Mangunkerta (Cugenang Sub-district)

			<ul style="list-style-type: none"> ○ <u>Bandung/West Java</u>: conduct feasibility study in Tamansari Village (Bandung Wetan Sub-district) ○ <u>Wonokromo/East Java</u>: ESP East Java has implemented one comprehensive community based solid waste management system in Wonokromo and commenced activities in four other sub-villages.
<p>SD Outcome #6 – At least 25 Small Scale Sanitation Systems (SSSS) are developed and implemented. Of these, a minimum of 5 community plans for restored and new facilities will be developed and implemented for return communities in Aceh</p>	<p>Number of small scale sanitation plans developed and implemented</p>	<p>6 SSSSs (25 SSSSs over project life)</p>	<ul style="list-style-type: none"> • Up to this quarter, ESP has done two small scale sanitation system in Bandung (West Java) through collaboration with TARKIM (Provincial Government) and WPL (NGO). In this system, the project built two communal septic tanks in Nanjung and Rancamanyar Villages. This progress has been achieved 33% target of the second year program. • ESP identified 19 potential sites for development the system across HPP, such as: <ul style="list-style-type: none"> ○ <u>Aceh</u>: 6 potential sites (Lamkruet, Nusa-in collaboration with CARE, Lamujong- in collaboration with Mercy Corp., 2 sites in Meurebo, and in Blang Lambaro) ○ <u>North Sumatra</u>: four potential sites in Deli Serdang and Medan as a result from BORDA scoping study ○ <u>West Sumatra</u>: two potential sites in Padang Municipality as a result from BORDA scoping study ○ <u>East Java</u>: Four potential sites in Malang and Surabaya as a result from BORDA scoping study ○ <u>DKI Jakarta</u>: ESP hired BEST to make preliminary study for rehabilitation of MCK in collaboration with Mercy Corps. Long list prepared (12 locations). Probably 3 locations will be short listed and funded by Mercy Corps

<p>SD Outcome #7 – The precursor needed to impact childhood diarrheal disease (clean water and sanitation) are contributed to the BHS effort to reduce in the incidence of childhood diarrheal disease and mortality</p>	<p>Proportion of household that adopted adequate health and hygiene practices within ESP project sites</p>	<p>1% increased (= 64 HH) (5% increased/= 320 HH over project life)</p>	<ul style="list-style-type: none"> • The survey to count the achievement of increasing household adopting adequate health and hygiene will be conducted in the end of the fiscal year. • However during in this period, ESP conducted several activities approaching the achievement of the target as stated above. Several activities have been done as follow: <ul style="list-style-type: none"> ○ <u>Aceh</u>: collaborated with CARE and others in hand washing with soap campaign ○ <u>North Sumatra</u>: evaluation of the hand washing with soap campaign in Aur Village (Medan Municipality) and integrated this campaign to another activity in rural area (Beringin Village – Deli Serdang District). In Aur, there is a significant decrease on school absentees due to sickness since the campaign begin-quantitative data analysis was conducted on this based on the school attendance report. Another activity was Integrating H&H in the Natural Resources Workshop with Watershed Management Team. ○ <u>West Sumatra</u>: integrated hand washing campaign with soap into Multi Media Campaign with school ○ <u>West Java</u>: Two health fairs in Padalarang (Bandung District) and Tamansari (Bandung Municipality) organized by the community groups in both villages involved children school, Health Post Cadre, Teachers, as well as community leaders. The event participated by 500 people in Padalarang and around 700 people in Tamansari. Also ESP conducted evaluation of the hand washing with soap campaign for identifying the follow up actions and expanding of the initial campaign around Bandung District
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			<ul style="list-style-type: none">○ <u>East Java</u>: conducted evaluation of the hand washing with soap in three villages of Surabaya and Malang to identify follow up action of the campaign. After this intensive campaigns ESP achieved propagation through active extension to other communities in conjunction with other USAID BHS programs, schools and local governments in these administrative areas. Surabaya data from PUSKESMAS indicate impact on incidence of diarrhea (Data still require further quantitative analysis)
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Component: Environmental Services Finance (FN)			
Outcome	Indicator	Second Year Target	Progress
FN Outcome #1 – At least (30) operate on a cost-recovering basis and those in default of old SLA and RDA debts begin repayment	Number of PDAMs operate on a full cost recovery	3 PDAMs (30 PDAMs over project life)	PDAM of Bogor District already operates at full cost recovery as a result of ESP effort in last quarter. ESP is continuing to support four other PDAMs to operate at full cost recovery including PDAM Bandung Municipality, PDAM Cirebon Municipality, PDAM Tirtanadi Medan and PDAM Kota Malang.
FN Outcome #2 – Regulatory boards for PDAMs are established and operating in each high priority province and empowered by the DPR-D to regulate tariff increases	Number of regulatory boards established to regulate the development of tariff increases for PDAM	0 (1 over project life)	Since ESP does not target establishing a regulatory board to regulate tariff increases this year, ESP has no progress made during in this quarter.
FN Outcome #3 – At least 10 DCA projects for investment in the environmental services sectors are developed and implemented	Number of projects related to environmental services sectors that execute a guarantee agreement with DCA developed and implemented	1 (10 over project life)	As the continuation work on DCA Projects, ESP completed the feasibility study with PDAM Kota Malang and has packaged the report for delivery to several banks. These include Bank Niaga, Bank Danamon, Bank Mega, Abacus Capital, Danareksa, UOP and BII Syariah Platinum to evaluate their interest in participating in the financing of this water project.
FN Outcome #4 – At least 5 PDAMs achieve credit rating from an international credit rating agency	Number of PDAM received national credit rating certificate	1 PDAM (5 PDAMs over project life)	No action taken
FN Outcome #5 – At least 1 local government, province or PDAM is assisted in the preparation for issuance of a revenue or general bond	Number of PDAM, Local Government and or province successfully received additional revenue from obligation bond	N/A (1 over project life)	In this quarter, ESP is continuing working with the Balikpapan Municipal Government to issue the municipal bond. ESP also started to work with PDAM Bogor District for issuing a corporate bond.

<p>FN Outcome #6 – At least 15% of Aceh program activity resources are used to leverage private sector resources to expand the impact and geographic coverage of ESP</p>	<ol style="list-style-type: none"> 1. Amount (\$) of funding generated from public or private sector to expand the impact of ESP outcomes in Aceh 2. Number of PPP developed to expand the impact of ESP outcomes in Aceh 	<ol style="list-style-type: none"> 1) \$ 100,000 (\$ 400,000 over project life) 2) 5 PPPs (20 PPPs over project life) 	<ul style="list-style-type: none"> • During this quarter, ESP Aceh leveraged for total amount of \$ 36,000 from two partnerships with CARE and the World Bank “Kecamatan Development Program”. Total amount leveraged until this quarter is \$ 236,000 since previous quarter ESP have been able to leverage \$ 200,000. This achievement is exceeded from the second year target. • The leveraging achieved from Aceh Program during in this quarter come from: <ol style="list-style-type: none"> a. Collaboration with CARE on development of 60 individual sanitation systems based on ESP design for homes in Nusa Village (Aceh Barat). From this project, ESP leveraged for amount \$ 18,000 b. Collaboration with the World Bank “Kecamatan Development Program” to fund Blang Lambaro water and sanitation distribution systems as the result of Sustainable Livelihood Assessment in Blang Lambaro. The community groups in this village obtain a \$ 18,000 to construct the distribution system
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Component: Environmentally- Sound Design and Implementation in Aceh (EA)

Outcome	Indicator	Second Year Target	Progress
EA Outcome #1 – At least 4 spatial plans at the district and/or municipality levels in the Banda Aceh to Meulaboh coastal corridor directly impacted by the tsunami are developed and/or improved	Number of spatial plans developed and/or improved at the district and/or municipality levels	1 (4 over project life)	During in this quarter, work on development of spatial plans are going on. ESP assisted World Vision, LGSP and others to develop spatial planning for sub-district of Meuraxa in Aceh Besar and assisting LGSP and HSP on development of spatial plans for two resettlement areas in Meureboh Sub-district of Aceh Barat
EA Outcome #2 – A forum/network of donor, GOI and NGO water/sanitation/infrastructure/ environment practitioners is created and supported to address common implementation issues and to serve as a clearinghouse of best practices to mitigate adverse environmental impacts of post-tsunami reconstruction activities	Forum/network of donor, GOI and NGO established and functioning	1 (1 over project life)	ESP has achieved the development forum/network of donor, GOI and NGO in Aceh working in water/sanitation/ infrastructure/environment practitioners through the involvement in the two existing fora in Aceh. ESP will strengthen both fora as already take a lead for one of the forum. The fora are: <ol style="list-style-type: none"> 1. The Water and Sanitation Sector Bi-weekly Meetings. This meetings are led by BRR and UNICEF. ESP has been leading actor in this forum. Major contributions of ESP to this forum in the past quarter are two reports on Infrastructure Outline Concept Plan-Aceh Besar and Infrastructure Outline Concept Plan-Aceh Jaya 2. The Environmental Sector Monthly Meeting. this meeting is led by BAPEDALDA and supported by UNDP and GTZ.
EA Outcome #3 – An assessment report on the use of timber on the part of USAID-funded projects in Aceh	Assessment report completed	1 (1 over project life)	The assessment on the use of timber on the part of USAID funded project has not been completed yet.

<p>EA Outcome #4 – Creation of an information clearinghouse for legal and illegal sources of timber and alternative building materials</p>	<p>Timber information clearinghouse established</p>	<p>1 (1 over project life)</p>	<p>During this quarter there is limited progress of the creation of clearing house. This outcome will be conducted after the assessment on source of timber and alternative building material have been completed</p>
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APPENDICES

APPENDIX A: Up Coming Events by Region

APPENDIX B: Short Term Technical Assistance

APPENDIX C: Publications

APPENDIX D: Workshops and Trainings

APPENDIX A UPCOMING ACTIVITIES (by Region)

ACEH:

Watershed Management

DATES	TYPE	DESCRIPTION
4 - 12 April 2006	FGD	Coastal Rehabilitation Program in West Coast, Lamsenia and Sawang
Mei - June	Nursery	Nursery for Coastal Rehabilitation in West Coast, Lamsenia and Sawang
Mei - June	Reboisation	Implementation of Coastal Rehabilitation Program in West Coast
April-June	Workshop	Workshop Forum DAS Kr. Aceh
April-June	Study	Traditional Approaches to Protecting water resourceies Blang Lambaro
April-Juni	Study	Catchment Area Study of Labieng Water Resources, Blang Lambaro
Mei-Juni	Survey	Biodiversity Survey Of Tahura Cut Nyak dhien
April-Mei	Nursery	Develop Community Nursery at Kr. Aceh WSM
April-Mei	Study	Groundtruth to Identify Land in Tahura Cut Nyak Dhien
April-Mei	Survey	Hydrology Survey in Desa Jruék Balee and Labieng Water Resource, Blang Lambaro

Environmental Services Delivery

DATES	TYPE	DESCRIPTION
April	Workshops	SOP development for PDAMs in Aceh Barat and Banda Aceh
Mid-April	Workshop	Institutional re-organization in PDAM Meulaboh
April, May, June	PO	Census of water users in Banda Aceh
Late April	Training	Corporate plan for PDAM Aceh Besar
Late May	Training	Corporate plan for PDAM Aceh Barat
Early June	Training	Management Training for Junior Manager in Medan in coordination with PERPAMSI
April-June	Training and construction	Participatory development of clean water and waste water systems in Blang Lambaro
April-June	Training and construction	Participatory development of clean water and waste water systems in Nusa
April	RTA	RTA, clean water and waste water systems Jruk Balee
April-June	Training and construction	Participatory development of clean water/waste water systems, Jruk Balee
Mid-April	RTA	RTA, clean water and waste water systems Jantho Baru
April, May, June	Training and construction	Participatory development of clean water/waste water systems, Jruk Balee
Early May	RTA	RTA, clean water/waste water systems, Johan Pahlawan
May-June	Training and construction	Participatory development of clean water/waste water systems, Jruk Balee
May-June	RRA	RRA to select villages for watsan activities in Aceh Barat and Aceh Jaya
May	RTA	Assessment of watsan in Keudu Krueng Sabe, Sawang, Lamsenia, Meurisi

Environmentally Sound Design

DATES	TYPE	DESCRIPTION
Mid-March-Mid Apr	Spatial planning	Housing resettlement for Alvan 2 Barracks, Meurebo Sub-district, Aceh Barat
May	Spatial planning	Housing resettlement for Paya Penaga Barracks, Meurebo Sub-district, Aceh Barat
April-June	Spatial planning	Loknga Sub-district water and sanitation systems
May-June	Spatial planning	Johan Pahlawan Sub-district water and sanitation system
April	Construction	Pilot sanitation system in Lamkruet
April-June	Training	Vetiver project in Lamkruet
April-May	Construction	Perfector building constructed in Lamkruet
May-June	Training	Participatory master plan for drainage in Lamkruet

NORTH SUMATRA:

DATES	TYPE	DESCRIPTION
12-14 April 06	WSM Forum	Strategic Meeting of Full WSM Forum in Berastagi, Karo District
April - June	Health and Hygiene training	Full scale training continues with Posyandu in Aur and Petisah, with activities integrated into other programs
15 April 06	Farmer Field Schools	Four Farmer Field Schools for sustainable vegetable production will launch in Semangat Gunung and Doulu villages in the upper Deli River Watershed as part of Clemson-FIELD-ESP-Karo Government collaboration
15 April 06	STTA	STTA in Financial Analysis assists Service Delivery team in analysis of finances of Tirta Malem and Tirta Wampu
April 06	Public Hearings	Public Hearings/workshops will be held to review the results of Consumer Satisfaction Surveys with Municipal Water Companies
April-May 06	Community action/training	Organizational training for Percut community in 'integrated organizational development for solid waste management'
April-June 06	Media Campaigns	MMC3 will conclude and MMC4 will be initiated
April-May 06	Training	Field Assistants will be recruited and oriented for training in Community Agro-forestry Training
20 April 06	Small Grants	NGO general meeting to review current grants and open 'Round II' of small grants program
May 06	Scoping Study	Initial studies of water resources/geo hydrology will be undertaken in Wampu watershed in Langkat District
May-June 06	Community Nurseries training	Work on community nurseries will continue with the KERINA network in Deli Serdang and Karo, with expansion through collaboration with 'Bank Pohon'
May 06	Training	Follow-up training for Women's Network on identified issues
May 06	Community based WATSAN	Initial activities begin at selected community sites for social preparation.
June 06	Assessment	Raw water resources assessment for Tirtanadi, Medan in Deli Watershed
June 06	STTA	Study on Distribution network, Tirtanadi Medan

WEST SUMATRA

DATES	TYPE	DESCRIPTION
22-Apr-2006	Workshop	MMC#4. Preserving water from 'up stream to down stream' area
April	Event	1. Earth Day celebration through multi stakeholders workshop
April-May	Event	2. Tree Planting with: <ul style="list-style-type: none"> • Students of SMP 10 Padang and Pauh District Gov. (Batang Kuranji Watershed) • Students who live in Kelurahan Limau Manis Selatan (Batang Arau Watershed)
April	Event	3. Journalist visit (Batang Arau Watershed)
May	Event	4. TV and Radio Talk show
May	Event	5. Media advertorials
June		6. MMC#5
April – May 2006	Small grant program-Health & Hygiene Campaign	LP2Ms proposal review title "Perempuan dan Sanitasi Lingkungan" and coordination with Jakarta office
05-Apr-2006	Workshop	1. Develop WSM plan in Padang
24-Apr-2006	Workshop	2. Collaborative workshop on Environmental services initiatives in West Sumatra
26-27 Apr 2006	Workshop	3. Facilitate and support of Tahura Bung Hatta collaborative management
Apr-June 2006	FGD, Reg. meetings	4. Facilitate Padang Watershed Working Group
April-June 2006 (50 days)	STTA	5. Integrated Water Resources Management (IWRM) Padang
16-18 May 2005	Training	6. Strategic planning WSM Plan for Batang Kuranji, Batang Air Dingin, dan Batang Arau watershed
May-June 2006	FGD, Reg. meetings, field visits	7. Assessment of develop Bung Hatta Taman Hutan Raya co-management (biodiversity, stakeholders mapping, policy, social-economic).
April – June 2006	Training	1. Farmer research on Agro-forestry
April – June 2006	Training	2. Farmer field school Padi SRI Organic
April – June 2006	Training	3. Community nursery for 3 watersheds in Padang
April – June 2006	Event	4. Tree planting by communities and coordination meeting with stakeholders
April – June 2006	Training, workshop	5. Institutional buildings for Forum Pedas Kota Padang
12-13 April 2006	Workshop	1. Budget mechanism for Community Based Sanitation infrastructure between ESP-PemDa Kota Padang
April – June 2006	FGDs, meetings, workshop	2. Sanitation mapping
20-April-06	FGD	3. Facilitation PerDa for Sanitation to PokJa-Padang
18-May-06	FGD	4. Workshop of Final Sanitation Mapping to stakeholder' in Padang
April – June 2006	STTA	5. Facilitation development of PokJa Sanitation

WEST JAVA/DKI JAKARTA

DATES	TYPE	DESCRIPTION
April 4, 2006	Collaboration	To attend the BCC Task Force on breast feeding at HSP
April 6, 2006	Assessment Field Visit	POC team anticipates working in the same locations where the ESP Community-based Sanitation was implemented in Kabupaten Bandung and collaborates with Warga Peduli Lingkungan, an NGO from Bandung.
April 7, 2006	Socialization	To foster ESP relationship with NGO from West Java and to socialize the ESP Small Grants Program
April 12, 2006	Consolidation	Meeting to consolidate communication support plan in Cianjur
April 12, 2006	Training	Capacity Building to 16 WSM community groups in the upstream areas of Subang
April 17-19, 2006	Field Visit	Visit ECO-ASIA to Jakarta and Bandung
April 22, 2006	Coordination Technical Meeting	Community group activity update in Subang in science and technology knowledge, nursery field observation method, and community group forum formulation
May – June, 2006	Research	Longitudinal Study in Cianjur, Bandung , and Jakarta
May – July, 2006	Research	Formative Research in West Java
May 12, 2006	Networking	MAPAS Regular meeting on forest rehabilitation and livelihood issues among members of MAPAS and to evaluate on-going ESP programs in the upstream area of Subang
May 15, 2006	Campaign	MMC4 (Water Resource Conservation) campaign in all ESP region including West Java
May 15, 2006	Recruitment	Recruit a community consultant to assist the Waste Water Division of PDAM in Bandung

CENTRAL JAVA

DATES	TYPE	DESCRIPTION
12-Apr-06	workshop	Multistakeholder workshop to solicit input on sub-watershed site selection
18-Apr-06	workshop	Institutional mapping workshop with NGOs active in the Progo Watershed to identify who is doing what where and identify possible areas of collaboration with ESP
April 19-21, 2006	workshop	Formative research workshop for all ESP Java-based staff and local partners
22-Apr-06	Handwashing with soap campaign	Preparation for hand washing with soap campaign and other activities to commemorate Earth Day
26-Apr-06	meeting	Meeting to introduce ESP to related Central Java provincial government agencies
May 2-3-06	meeting	USAID-BHS tentatively plans to conduct a meeting at the Governors' offices of Central Java and DIY to introduce the ESP
9-May-06	workshop	Small Grants Workshop to introduce the ESP Small Grants program to NGOs, universities, and community groups

EAST JAVA

DATES	TYPE	DESCRIPTION
3 April	<ul style="list-style-type: none"> • STTA • Workshop • Field Activity 	<ul style="list-style-type: none"> • Scoping Kab. Gresik & Sidoarjo • WithWSM team in Kota Batu w/ Fokal Mesra & Hippam • Riverside clean up Kel. Wonokromo
10 April	<ul style="list-style-type: none"> • PO • Training • Workshop 	<ul style="list-style-type: none"> • Start CSS for PDAM Kab. Malang • Operator Training PDAM Kab. Malang • Follow up with WSM planning in Temas micro-DAS
17 April	<ul style="list-style-type: none"> • Field investigation • Training • Training 	<ul style="list-style-type: none"> • PDAM Kota Pontianak: non-physical NRW reduction program • Commencement of activities in Tambaksari • Formative Research Training in Central Java
24 April	<ul style="list-style-type: none"> • PO • PO • Workshop • Training 	<ul style="list-style-type: none"> • Commence sweeping PDAM Kota Malang • Commence CSS Surabaya PDAM • <i>Perempuan Ramah Lingkungan</i> with PIISEI Surabaya • Collaboration with FSN for volunteers training
1 May	<ul style="list-style-type: none"> • Field Assistant • STTA 	<ul style="list-style-type: none"> • Commence work with Hippam • Commence waste activities in Malang • Comparative Study for Cadre to Jakarta • Treatment Wetland Construction at Temas
8 May	<ul style="list-style-type: none"> • STTA • Workshop • Workshop • PO 	<ul style="list-style-type: none"> • Socialization of government policy reform for rehabilitation and conservation of forest in upper Brantas – MSF meeting in conjunction with BPDAS Brantas • Common visions for Batu with PEMDA, PUSTAKA and Fokal Mesra • Formative Research commences
15 May	<ul style="list-style-type: none"> • STTA • Workshop 	<ul style="list-style-type: none"> • Focused assistance to Hippam Kota Batu • Interagency workshop on incorporation of community waste and sanitation management into government activities
22 May	<ul style="list-style-type: none"> • PO-cost sharing 	<ul style="list-style-type: none"> • Construction of CBS units in Surabaya and Malang
29 May	<ul style="list-style-type: none"> • Small Grant • Workshop 	<ul style="list-style-type: none"> • Submit Proposal for comm-based water supply system for Wonokromo • Training for the SMA Network of Brantas river water network in collaboration with Jasa Tirta
5 June	<ul style="list-style-type: none"> • Workshop • Field Activity • PO 	<ul style="list-style-type: none"> • Commemorate “Hari Lingkungan Hidup” • Kali Mas Riverside clean up with environment Day • Livelihoods Assessment Training in Kota Malang with Paramitra
12 June	<ul style="list-style-type: none"> • PO • Workshop 	<ul style="list-style-type: none"> • Commence sweeping PDAM Kota Pasuruan • Health outcomes of improved water access, waste and sanitation management

APPENDIX B: SHORT-TERM TECHNICAL ASSISTANCE (Through 31 March 2006)

Environmental Services Program

Region	MOBIS Labor Category	Position	Name	Start Date	End Date	Approved LOE	Citizenship
East Java	7. Principal Development Specialist (II)	PDAM Technical Specialist	Gogh Yoedihanto	4/3/2006	6/2/2006	42 Days	Indonesian
Aceh	3. Development Specialist (II)	Environmental Management Consultant	Ernst-Jan Martijn	4/1/2006	9/30/2006	132 Days	Dutch
West Java/DKI Jakarta	5. Senior Development Specialist (II)	Water Quality Specialist	Ida Dhaliawati	3/27/2006	8/7/2006	20 Days	Indonesian
Central Java/Yogyakarta		Hydrogeologist	Ahmad Ismayanto	3/20/2006	7/20/2006	88 Days	Indonesian
West Java/DKI Jakarta	4. Development Specialist (I)	Site Conservation Planning Specialist	Kesaulya Daryatun	3/20/2006	5/31/2006	60 Days	Indonesian
West Java/DKI Jakarta	3. Development Specialist (II)	Conservation Education and Campaign Coordinator	Bintoro Prabowo	3/20/2006	9/20/2006	90 Days	Indonesian
Aceh	8. Principal Development Specialist (I)	Water Supply Engineer	Christoph Mor	3/6/2006	9/1/2006	130 Days	German
Aceh	6. Senior Development Specialist (I)	Water Supply Engineer	Hendro Widodo	3/6/2006	9/1/2006	130 Days	Indonesian
East Java	6. Senior Development Specialist (I)	PDAM Technical Specialist	Ahmad Hayat	3/6/2006	9/30/2006	120 Days	Indonesian
Balikpapan	8. Principal Development Specialist (I)	Financial Analyst	David Woodward	3/1/2006	12/29/2006	100 Days	British
National (Jakarta post)	6. Senior Development Specialist (I)	Rare Senior Director	Megan Hill	2/27/2006	3/31/2006	12 Days	American
Aceh	6. Senior Development Specialist (I)	PDAM Capacity Building Developer Specialist	Robert Simanjuntak	2/20/2006	4/30/2006	30 Days	Indonesian
West Java/DKI Jakarta		PDAM Water Production Specialist	Titi Erman	2/20/2006	3/30/2006	30 Days	Indonesian
Balikpapan	8. Principal Development Specialist (I)	Financial Analyst	David Woodward	2/15/2006	9/30/2006	90 Days	British
Aceh		PDAM SOP Institutional Specialist	Ariefin Sutrisno	2/13/2006	4/29/2006	60 Days	Indonesian
Central Java/Yogyakarta	3. Development Specialist (II)	Spatial Planning Specialist	Sigit Widodo	2/13/2006	8/31/2006	132 Days	Indonesian
West Java/DKI Jakarta	5. Senior Development Specialist (II)	Engineering Assessment: demand and hydrology	Sonny Sulaksana	2/8/2006	4/30/2006	44 Days	Indonesian
Aceh	8. Principal Development Specialist (I)	Hydrogeologist	Phillip Brown	2/6/2006	4/14/2006	48 Days	American
Central Java/Yogyakarta	8. Principal Development Specialist (I)	Financial Analyst	Ramon Hagad	2/6/2006	12/31/2006	88 Days	Filipino
West Java/DKI Jakarta		PDAM Technical Specialist	Ida Sukmawati	2/6/2006	8/31/2006	130 Days	Indonesian
West Java/DKI Jakarta	3. Development Specialist (II)	PDAM Technical Specialist	Suhatri	2/6/2006	8/6/2006	130 Days	Indonesian
Manado		PDAM Technical Specialist	Laksmi Cahyaniwati	2/1/2006	6/30/2006	100 Days	Indonesian
National (Jakarta post)	8. Principal Development Specialist (I)	Financial Analyst	Andre Oosterman	2/1/2006	9/30/2006	100 Days	
North Sumatra	8. Principal Development Specialist (I)	Agroforestry Training Specialist	Sean Foley	2/1/2006	3/31/2006	50 Days	Australian
North Sumatra	8. Principal Development Specialist (I)	Training Designer for ESP Agro-Forestry	Wahyu Sutisna	2/1/2006	5/15/2006	60 Days	Indonesian
West Java/DKI Jakarta	8. Principal Development Specialist (I)	Financial Analyst	Lewis Brandt	2/1/2006	12/31/2006	78 Days	American
National (Jakarta post)	8. Principal Development Specialist (I)	Research and Evaluation Specialist	Maria Elena Figueroa	1/16/2006	3/31/2006	29 Days	Spanish
National (Jakarta post)	8. Principal Development Specialist (I)	Water and Sanitation Communication Advisor	Patricia Poppe	1/16/2006	3/31/2006	29 Days	American
West Java/DKI Jakarta	2. Associate Development Specialist	Urban Communities Water Specialist	Endah Shofiani	1/16/2006	7/15/2006	120 Days	Indonesian
West Java/DKI Jakarta	2. Associate Development Specialist	Household Water Specialist	Mindy Weimer	1/16/2006	7/15/2006	75 Days	USA
West Sumatra	6. Senior Development Specialist (I)	PDAM Technical Specialist - Corporate Planning	Suarni S. Abuzar	1/16/2006	5/30/2006	45 Days	Indonesia
West Sumatra	5. Senior Development Specialist (II)	Sanitation Facilitation Specialist	Firdaus Jamal	1/16/2006	7/28/2006	50 Days	Indonesian
U.S. Home Office	8. Principal Development Specialist (I)	Regional Director, Asia	Edson Whitney	1/15/2006	9/30/2009	10 Days	USA
West Java/DKI Jakarta	6. Senior Development Specialist (I)	Community Base Solid Waste Management Specialist	Betty Nurhayati	1/15/2006	6/30/2006	80 Days	Indonesian
West Sumatra	2. Associate Development Specialist	PDAM Public Service Specialist	Denny Helard	1/9/2006	4/30/2006	60 Days	Indonesian
National (Jakarta post)	3. Development Specialist (II)	Landscape Planning Specialist	Ioana Bouvier	1/7/2006	2/25/2006	26 Days	Romanian

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Aceh		Customer Service Specialist	Ilham Srimarga	1/6/2006	2/28/2006	30 Days	Indonesian
National (Jakarta post)	4. Development Specialist (I)	Social Forestry Specialist	Muayat Muhshi	1/3/2006	2/28/2006	32 Days	Indonesian
National (Jakarta post)	8. Principal Development Specialist (I)	Environmental Health Specialist	Christopher McGahey	1/2/2006	2/28/2006	30 Days	USA
National (Jakarta post)	8. Principal Development Specialist (I)	Gender Specialist	Nancy Diamond	1/2/2006	3/15/2006	33 Days	USA
National (Jakarta post)	8. Principal Development Specialist (I)	Forest & Land Rehabilitation Specialist	Chris Bennett	1/2/2006	3/12/2006	60 Days	Canadian
National (Jakarta post)	8. Principal Development Specialist (I)	Financial Analyst	James Coucouvinis	1/1/2006	6/30/2006	40 Days	
National (Jakarta post)	6. Senior Development Specialist (I)	Financial Analyst	Andre Oosterman	12/1/2005	2/28/2006	20 Days	
Aceh	4. Development Specialist (I)	Sanitary Engineer	Titi Erman	11/28/2005	1/14/2006	35 Days	Indonesian
Aceh	6. Senior Development Specialist (I)	Water Supply Engineer	Betty Nurhajati	11/28/2005	1/14/2006	30 Days	Indonesian
Aceh	6. Senior Development Specialist (I)	Institutional and HRD Specialist	Syarif Nurjaman	11/28/2005	1/27/2006	50 Days	Indonesian
National (Jakarta post)	4. Development Specialist (I)	Financial Controls Specialist	Robert Ryan-Silva	11/28/2005	12/31/2005	18 Days	American
Aceh	4. Development Specialist (I)	Finance Specialist	Rudy Jusdian	11/21/2005	1/30/2006	50 Days	Indonesian
West Java/DKI Jakarta	7. Principal Development Specialist (II)	Water Supply Engineer	Sher Singh	11/21/2005	2/28/2006	26 Days	American
Aceh	2. Associate Development Specialist	Environmental Management Consultant	Norman Hoff	11/15/2005	5/31/2006	60 Days	Australian
Aceh	6. Senior Development Specialist (I)	Water Supply Engineer	Sudigyo	11/14/2005	1/14/2006	30 Days	Indonesian
Aceh	6. Senior Development Specialist (I)	Water Supply Engineer	Hendro Widodo	11/14/2005	1/14/2006	50 Days	Indonesian
West Java/DKI Jakarta	5. Senior Development Specialist (II)	Technical Analyst	Sonny Sulaksana	11/14/2005	12/13/2005	30 Days	Indonesian
Aceh	8. Principal Development Specialist (I)	Hydrogeologist	Phillip Brown	11/10/2005	12/22/2005	30 Days	American
Aceh	8. Principal Development Specialist (I)	International Water Supply Engineer	T. Stephen Jones	11/10/2005	1/14/2006	40 Days	American
Aceh	8. Principal Development Specialist (I)	Team Leader/Financial & Institutional Specialist	Bennett Parton	11/10/2005	12/31/2005	12 Days	American
Aceh	7. Principal Development Specialist (II)	Water Supply Engineer	Sher Singh	11/10/2005	1/14/2006	60 Days	American
West Java/DKI Jakarta	8. Principal Development Specialist (I)	Financial Specialist	Ramon Hagad	11/1/2005	9/29/2006	60 Days	Filipino
National (Jakarta post)	8. Principal Development Specialist (I)	Protected Areas & Conservation Mgmt. Specialist	Darrell Kitchener	10/19/2005	6/21/2006	80 Days	Australian
East Java	6. Senior Development Specialist (I)	Surabaya Sanitation and Solid Waste Mgmt. Consultant	Toeti Herisasi	10/17/2005	2/16/2006	80 Days	Indonesian
East Java	6. Senior Development Specialist (I)	PDAM Technical Specialist for Kota Malang	Rustadji Wahono	10/17/2005	1/20/2006	60 Days	Indonesian
East Java	3. Development Specialist (II)	Health Communication	Lilik Zuhriyah	10/11/2005	3/10/2006	60 Days	Indonesian
West Java/DKI Jakarta	1. Administrative Support	Conservation Education & Campaign Assistant	Nia Kurniawati	10/11/2005	2/24/2006	65 Days	Indonesian
North Sumatra	6. Senior Development Specialist (I)	Social Documentary Film Specialist	Robert Nugent	10/5/2005	10/20/2005	12 Days	Australian
Aceh	8. Principal Development Specialist (I)	Finance Specialist/Assessment Team leader	Bennett Parton	10/3/2005	10/18/2005	12 Days	American
East Java	3. Development Specialist (II)	Junior PDAM Technical specialist Kabupaten Malang	Jumarwan	10/3/2005	1/6/2006	60 Days	Indonesian
West Java/DKI Jakarta	4. Development Specialist (I)	Community Based Solid Waste Specialist	Ria Ismaria	10/3/2005	10/31/2005	14 Days	Indonesian
West Java/DKI Jakarta	3. Development Specialist (II)	Watershed Management Fasilitator	Sae'ul Bahri	10/3/2005	12/31/2005	80 Days	Indonesian
West Java/DKI Jakarta	3. Development Specialist (II)	WSM Fasilitator	Dede Suryana	10/3/2005	1/31/2006	80 Days	Indonesian
Aceh	2. Associate Development Specialist	GIS Specialist	Jennifer Fly	10/1/2005	10/30/2005	22 Days	American
Aceh	6. Senior Development Specialist (I)	Management Information Specialist	Tami Fries	10/1/2005	10/30/2005	21 Days	American
National (Jakarta post)	8. Principal Development Specialist (I)	Financial Specialist	Kjell Olsen	10/1/2005	12/31/2005	25 Days	Norwegian
National (Jakarta post)	8. Principal Development Specialist (I)	Financial Analyst	David Woodward	9/26/2005	9/29/2006	45 Days	British
West Sumatra	3. Development Specialist (II)	PDAM Technical Specialist	Immanuel Ginting	9/26/2005	2/28/2006	126 Days	Indonesian
Aceh	7. Principal Development Specialist (II)	Environmental Management Consultant	Norman Hoff	9/25/2005	10/7/2005	13 Days	Australian
West Java/DKI Jakarta	3. Development Specialist (II)	Conservation Education & Campaign Coordinator	Putu Wirawan	9/21/2005	1/31/2006	65 Days	Indonesian
National (Jakarta post)	8. Principal Development Specialist (I)	Waste Water Treatment Expert	Edzard Ruhe	9/19/2005	12/31/2005	40 Days	German

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National (Jakarta post)	7. Principal Development Specialist (II)	Appreciative Inquiry Expert	Dian Svendsen	9/11/2005	10/8/2005	28 Days	American
West Java/DKI Jakarta	8. Principal Development Specialist (I)	Financial Analyst/Water Engineer	T. Stephen Jones	9/3/2005	12/31/2005	60 Days	American
West Java/DKI Jakarta	8. Principal Development Specialist (I)	Financial Analyst/Water Engineer	Terence Driscoll	9/3/2005	12/31/2005	60 Days	American
Aceh	4. Development Specialist (I)	Financial Specialist	Enjang Hasanudin	8/29/2005	10/14/2005	46 Days	Indonesian
North Sumatra	4. Development Specialist (I)	PDAM Institutional Specialist	Julian Syah	8/29/2005	5/31/2006	140 Days	Indonesian
Aceh	6. Senior Development Specialist (I)	Hydrogeologist	Gatot Soedrajat	8/22/2005	9/16/2005	22 Days	Indonesian
Aceh	8. Principal Development Specialist (I)	Hydrogeologist	Phillip Brown	8/15/2005	9/16/2005	27 Days	American
National (Jakarta post)	8. Principal Development Specialist (I)	Gender and Water Specialist	Nancy Diamond	8/13/2005	9/2/2005	60 Days	American
North Sumatra	3. Development Specialist (II)	PDAM Technical Specialist	Ida Sukmawati	7/25/2005	10/7/2005	76 Days	Indonesian
West Java/DKI Jakarta	2. Associate Development Specialist	Communication Manager	Risang Rambatmaja	7/25/2005	7/24/2006	88 Days	Indonesian
West Java/DKI Jakarta	4. Development Specialist (I)	Participatory Media and Documentation Specialist	Triyanto Adi	7/18/2005	9/30/2005	20 Days	Indonesian
West Java/DKI Jakarta	6. Senior Development Specialist (I)	Water Resource Conflict Management Specialist	Winarto Nugroho	7/18/2005	9/30/2005	30 Days	Indonesian
West Java/DKI Jakarta	4. Development Specialist (I)	Participatory Non-formal Education Specialist	Simon Tambunan	7/18/2005	9/30/2005	40 Days	Indonesian
National (Jakarta post)	8. Principal Development Specialist (I)	Watershed Management Planning Specialist	Jan Gerards	7/10/2005	7/25/2005	14 Days	Dutch
Aceh	6. Senior Development Specialist (I)	Water Quality Specialist	Ida Dahliawati	6/27/2005	8/31/2005	23 Days	Indonesian
National (Jakarta post)	7. Principal Development Specialist (II)	Graphics Design and Communications Specialist	Donald Bason	6/15/2005	9/29/2006	65 Days	British
National (Jakarta post)	5. Senior Development Specialist (II)	Health & Hygiene Specialist	Maria Elena Figueroa	6/13/2005	6/18/2005	6 Days	Mexican
West Java/DKI Jakarta	8. Principal Development Specialist (I)	Financial Analyst	David Woodward	6/8/2005	10/31/2005	45 Days	British
National (Jakarta post)	8. Principal Development Specialist (I)	Health Communications Specialist	Benjamin Lozare	5/22/2005	5/26/2005	4 Days	American
National (Jakarta post)	7. Principal Development Specialist (II)	Public Outreach & Communications Specialist	Paul Butler	5/21/2005	6/2/2005	11 Days	American
National (Jakarta post)	4. Development Specialist (I)	Public Outreach & Communications Specialist	Megan Hill	5/20/2005	6/2/2005	10 Days	American
West Java/DKI Jakarta	4. Development Specialist (I)	Health Communications Specialist - West Java	Evi Douren	5/16/2005	8/22/2006	58 Days	Indonesian
U.S. Home Office	1. Administrative Support	Research Assistant/Project Coordinator	Kathleen Gaertner	4/18/2005	9/30/2009	30 Days	American
National (Jakarta post)	5. Senior Development Specialist (II)	Environmental Health Monitoring Specialist	Misha Kishi	4/17/2005	9/30/2005	104 Days	Japanese
National (Jakarta post)	8. Principal Development Specialist (I)	Child Survival Monitoring Specialist	Eckhard Kleninaw	4/17/2005	11/30/2005	15 Days	American
National (Jakarta post)	6. Senior Development Specialist (I)	Management Information Specialist	Tami Fries	4/4/2005	4/21/2005	30 Days	American
National	2. Associate Development Specialist	Public Outreach & Communications Strategy Development Specialist	Sri Gunadi	3/1/2005	8/31/2005	80 Days	Indonesian
Aceh	8. Principal Development Specialist (I)	Aceh Assessment Team Leader	Edzard Rhe	2/2/2005	3/2/2005	24 Days	German

Appendix C: Reports and Publications Environmental Services Program Quarterly Report #4: January – March 2006

Series #	Date	Title	Author*	Status
Annual Report				
R-0035	12/16/2005	Annual Progress Report No. 1, December 2004 through September 2005	ESP Indonesia	Final/Sent to USAID for Review
Annual Work Plan				
R-0031	10/31/2005	ESP Nanggroe Aceh Darussalam Work Plan	ESP Indonesia	Final/Available for Distribution
R-0033	04/30/2005	ESP First Annual Work Plan and Life of Project Plan	ESP Indonesia	Final/Available for Distribution
Bi-Weekly Update				
R-0020		ESP Biweekly Update 1_16-20.05.05		Final/Available for Distribution
R-0021		ESP Biweekly Update 2_20-26.05.05		Final/Available for Distribution
R-0022		ESP Biweekly Update 3_27.05-09.06.05		Final/Available for Distribution
R-0023		ESP Biweekly Update 4_13.06-24.06.05		Final/Available for Distribution
R-0024		ESP Biweekly Update 5_27.06-08.07.05		Final/Available for Distribution
R-0025		ESP Biweekly Update 6_11-22.07.05		Final/Available for Distribution
R-0026		ESP Biweekly Update 7_25.07-05.08.05		Final/Available for Distribution
R-0027		ESP Biweekly Update 8_08.08-19.08.05		Final/Available for Distribution
R-0028		ESP Biweekly Update 9_08.22-09.02.05		Final/Available for Distribution
R-0029		ESP Biweekly Update 13_10.17-28.05		Final/Available for Distribution
R-0030		ESP Biweekly Update 14_10.31-11.11.05		Final/Available for Distribution
R-0054	11/25/2005	ESP Biweekly Update 15_11.14-25.05		Final/Available for Distribution
R-0055	12/28/2005	ESP Biweekly Update 16_11.28-12.9.05		Final/Available for Distribution
R-0056	12/23/2005	ESP Biweekly Update 17_12.11-23.05		Final/Available for Distribution
R-0063	02/20/2006	ESP Biweekly Update 20_01.23-02.03.06		Final/Available for Distribution
R-0064	02/20/2006	ESP Biweekly Update 10_5-16.09.05		Final/Available for Distribution
R-0065	02/20/2006	ESP Biweekly Update 11_09.19-30.05		Final/Available for Distribution
R-0066	02/20/2006	ESP Biweekly Update 12_10.03-14.05		Final/Available for Distribution
R-0067	01/10/2006	ESP Biweekly Update 18_12.26-1.10.06		Final/Available for Distribution
Case Studies/Best Practices				
R-0049	02/08/2006	Community Based Solid Waste Case Studies		Final/Available for Distribution

Consultant Report				
R-0000	01/25/2006	Micro-Credit Finance of Water Connections to New PDAM Customers	Kjell Olsen	Draft
R-0048	02/06/2006	Infrastructure Outline Concept Plan: Kabupaten Aceh Besar	Sing, Sher	Draft
R-0000		PDAM Kabupaten Bogor - Analysis of Financial Condition and Preliminary Financial Feasibility Analysis of Investment Proposal	Hagad, Ramon	Draft
R-0000		PDAM Kabupaten Bogor - Investment Estimate East Bogor Water Supply System Development	Sulaksana, Sonny	Draft
R-0003	04/21/2005	TAMIS Implementation Exit Report	Fries, Tami	Final/Available for Distribution
R-0032	11/15/2005	GIS Training Report and Assessment	Fly, Jennifer	Final/Available for Distribution
R-0042	01/04/2006	PDAM Kota Bogor Stage I Report: Analysis of Financial Condition and Preliminary Financial Analysis of Feasibility of Investment Proposal	Edward David Woodward	Final/Sent to USAID for Review
R-071	03/09/2006	Report by Simon H. Tambunan/FIELD Indonesia	Simon Tambunan	Final/Available for Distribution
ESP News				
R-0016	09/30/2005	ESP News, Edition 2, September 2005		Final/Available for Distribution
R-0017	09/13/2005	ESP News, Edition 1, August 2005		Final/Available for Distribution
R-0018	11/08/2005	ESP News, Edition 3, October 2005		Final/Available for Distribution
R-0038	12/19/2005	ESP News, Edition 4, November 2005		Final/Available for Distribution
R-0070	02/28/2006	ESP News Volume 1 2006		Final/Available for Distribution
R-073	03/29/2006	ESP News, Volume 2, March, 2006	Lumbantobing, Cahyana, Rustam, Juliansyah, Parra	Final/Available for Distribution
Fact Sheets - Program & Component				
R-0057	08/31/2005	ESP Fact Sheet - Program Components		Final/Available for Distribution
R-0058	08/31/2005	ESP Fact Sheet - General Issue		Final/Available for Distribution
R-0059	08/31/2005	ESP Fact Sheet - Informasi umum		Final/Available for Distribution
R-0060	08/31/2005	ESP Fact Sheet - Komponen Program		Final/Available for Distribution
R-0061	10/31/2005	ESP Fact Sheet - Nanggroe Aceh Darussalam (English)		Final/Available for Distribution
R-0062	01/31/2006	ESP Fact Sheet - Nanggroe Aceh Darussalam (Indonesian)		Final/Available for Distribution
Manuals/Guidelines				
R-0002	04/13/2005	ESP Small Grants Program Manual	Wouter Sahanaya	Final/Sent to USAID for Review
R-0006	12/29/2005	ESP Performance Monitoring Plans		Final/Sent to USAID for Review
R-0008		Guidelines for improved PDAM tariff structure		Planned
R-0040	12/23/2005	Capacity Building untuk Fasilitator Pendamping	WSM Cianjur Team	Draft

R-068		Buku Petunjuk Lapangan Pelatihan Calon Pemandu Kajian Partisipatif Oleh Masyarakat Dalam Rangka Pelestarian Lingkungan Hidup	Tim FIELD Indonesia (STTA-Sub Contractor)	Draft
R-072	03/31/2006	Satellite Imagery: Basic Information, Availability, Characteristics and How to Purchase It	Amrullah	Draft
R-072		Satellite Imagery: Basic Information, Availability, Characteristics and How to Purchase It	Amrullah	Draft
R-075	03/24/2006	ESP HPP Atlas		Final/Available for Distribution
R-R-072	03/31/2006	Satellite Imagery: Basic Information, Availability, Characteristics and How to Purchase It	Amrullah	Draft
Presentations				
R-0000	10/11/2005	Presentation of Draft of Review Tariff PDAM Tirta Moutala Aceh Besar	Enjang Hasanudin	Draft
R-0001	04/12/2005	ESP Overview to USAID/BHS	Merrill, Reed	Final/Available for Distribution
Quarterly Report				
R-0004	07/19/2005	ESP Quarterly Report No. 1 January - June 2005		Final/Available for Distribution
R-0019	11/16/2005	ESP Quarterly Report 2 July-September 2005		Final/Available for Distribution
R-0047	12/31/2005	ESP Quarterly Report 3, October-December 2005		Final/Sent to USAID for Review
Surveys				
R-0000	05/01/2006	Watsan Technical assessment_SAREE-Aceh	Eri Arianto	Planned
R-0000		Customer Satisfaction Survey PDAM Tirta Malem Kab Karo and PDAM Tirta Wampu Kab Langkat		In Preparation
R-0036	12/31/2005	Survey Awal Kondisi DAS Kr. Aceh	Team ESP & Mapayah, PENA	Final/Available for Distribution
R-0043	01/16/2006	Pemilihan Lokasi dan Stakeholders di Cianjur - Jawa Barat	WSM Cianjur Team	Final/Sent to USAID for Review
R-0044	01/16/2006	Pemilihan Lokasi dan Stakeholders di Subang - Jawa Barat	WSM Subang Team	Final/Sent to USAID for Review
R-0046	03/31/2005	Aceh Assessment Report	Ruhe, Edzard, Budiman, Jefry, Ika, Angela, Irfan	Final/Available for Distribution
R-0052	01/16/2006	Watershed Selection Matrix of NAD	Watershed Management Team - ESP Banda Aceh/NAD	Final/Available for Distribution
R-0053	01/31/2006	Matrix of Site Selection in Krueng Aceh Watershed	Watershed Management Team ESP Banda Aceh/NAD	Final/Available for Distribution
R-R-072	01/31/2006	Survey Kepuasan Pelanggan PDAM Kabupaten Solok 2005	Ginting, Immanuel, Afghoni	Draft
Technical Reports				
R-0000	09/30/2005	Watershed Management Planning in ESP	Gerard, Jan	In Preparation
R-0000	10/11/2005	Presentation of Draft of Review Tariff PDAM Tirta Moutala Aceh Besar	Enjang Hasanudin	Draft
R-0000	12/15/2005	Tender Document of Construction of Puskesmas WATSAN Facilities Phase I (4 units of Puskesmas)		Draft
R-0000	12/18/2005	Tender Prococess Report of Construction of Puskesmas WATSAN Facilities Phase I		Draft

R-0000	01/04/2006	Progress Report of Construction Puskesmas WATSAN Facilities Phase I		Draft
R-0000	02/04/2006	Detail Design Puskesmas Watsan Facilities Phase II (5 units)		Draft
R-0000	05/01/2006	Watsan Technical assessment_SAREE-Aceh	Eri Arianto	Planned
R-0000		SMALL GROUP DISCUSSIONS (SGD) ON THE ESTABLISHMENT OF KRUENG ACEH WS FORUM		Draft
R-0000		Aceh WSM Sabee Geupu Site Selection		Draft
R-0000		Lessons Learned from Study Tour of PDAM Team in Aceh Province	Ronny Sutrisno dan Jefry Budiman	Planned
R-0000		Corporate Plan PDAM Tirtanadi 2006-2010		Draft
R-0000		report on Public Tap use by PDAM Padang		In Preparation
R-0007	11/30/2005	PDAM Assessment Report	ESP SD Team	Final/Available for Distribution
R-0011		PDAM Benchmarking 2005	PERPAMASIPDA M Benchmarking team	In Preparation
R-0012		Improved PDAM service delivery to IKK		Planned
R-0014	09/30/2005	Gender Needs Assessment for the Environmental Services Program	Diamond, Nancy,with Lestari, Alifah,Pooroe Utomo, Nona,and Douren, Evi	Final/Available for Distribution
R-0015	09/30/2005	Post Tsunami Water Resource Scoping Study in Banda Aceh	Brown, Phillip	Final/Available for Distribution
R-0037	08/31/2005	Rehabilitasi Lahan Seperti Apa yang Diharapkan Masyarakat Sukaresmi ?	Arman Abdul Rohman, Dede Suryana, Erwinsyah, Sabdo Sumartono	Draft
R-0040	12/23/2005	Capacity Building untuk Fasilitator Pendamping	WSM Cianjur Team	Draft
R-0045	12/15/2005	DED of Puskesmas WATSAN Facilities Phase I (4 units of Puskesmas)	Ridwan Habibie	Draft
R-0048	02/08/2006	Community-based Solid Waste Management:Sebuah Studi Perbandingan		Draft
R-069		ESP Participatory Livelihood Assessment: A Process Case Study	Tim FIELD Indonesia (STTA-Sub-contractor)	Draft
R-073	03/21/2006	ACEH BESAR -INFRASTRUCTURE OUTLINE CONCEPT PLAN	Sher Singh (ESP-STTA)	Final/Available for Distribution
R-074	03/21/2006	ACEH JAYA -INFRASTRUCTURE OUTLINE CONCEPT PLAN	Sher Singh (ESP-STTA)	Final/Available for Distribution
R-076	03/24/2006	Sampling and Analysis Plan for Ground and Surface Water in Krueng Aceh	Brown, Phil	Final/Sent to USAID for Review
R-077	03/28/2006	Multi Media Campaign I - Water for Life	Farah A, Darma L, Suko W, Syafrizaldi, Katur Nagari	Final/Sent to USAID for Review
Training/Workshop Proceedings				
R-0000	01/16/2006	NAD/Aceh Besar/TOT Sustainable Livelihoods Assessment		Draft
R-0000	01/16/2006	NAD/Aceh Besar/TOT Sustainable Livelihoods Assessment		Draft

R-0000	04/11/2006	NAD/Sustainable Livelihood Assessment in Dusun Kuala Meurisi, Ketapang Village, Krueng Sabee Sub District, Aceh Jaya District	Final/Available for Distribution
R-0000	04/11/2006	NAD/Sustainable Livelihood Assessment in Keudee Krueng Sabee village, Krueng Sabee Sub District, Aceh Jaya District	Final/Available for Distribution
R-0000	04/11/2006	NAD/Sustainable Livelihood Assessment in Sawang (Lageun) Village, Setia Bakti Sub District, Aceh Jaya District	Final/Available for Distribution

* where appropriate

Environmental Services Program (ESP) Indonesia

Project Number: 497-M-00-05-00005-00

APPENDIX D - Training, Workshop and Seminar Activities for January - March 2006

Type	Title	Location	Starting Date	End Date	Duration (Days)	Participants	% Female	Budget (\$)
Total						1,859	27.72	1,024,690,541
Training Course	Follow up GIS and GPS training for PDAM Padang	ESP Office Padang	1/11/2006	1/12/2006	2	9	44.40%	1,483,350
	West Java/Kab. Cianjur : PRA SUKATANI Di Sukatani-Pacet, Cianjur –Jawa barat	Desa Sukatani	1/12/2006	1/18/2006	7	206	18.40%	65,755,750
	West Java/Cianjur : Implementation Participatory Need Assessment in Village and sub district level	15 villages of 3 sub districts, Cianjur	2/2/2006	2/28/2006	27	N/A	NA	97,734,320
	PDAM Water Quality Monitoring Training	WTP Lambaro laboratory, Siron 2 laboratory, and Meulaboh laboratory	2/24/2006	3/4/2006	7	14	7.1%	-
	TECHNICAL SUPPORT TO COMMUNITY NETWORK IN DELI SERDANG DISTRICTS	11 villages in Sibolangit Sub-district of Deli Serdang District	3/1/2006	3/2/2006	2	35	31.4%	7,777,030
	Training of Usage Laboratory Equipment PDAM Tirta Meulaboh Aceh Barat	PDAM Tirta Meulaboh, WTP	3/1/2006	3/4/2006	4	10	10.00%	-
	Watsan Training for Community of Aceh Besar	Balai Latihan Penyuluh Pertanian BLPP	3/2/2006	3/5/2006	4	25	44.00%	34,444,150
	Middle Management Training (Pelatihan Madya YPTD)	Jakarta	3/13/2006	3/25/2006	13	2	0.00%	16,695,000
	Training for supervision of community operation (Perfektor-E)	Banda Aceh	3/20/2006	3/21/2006	2	19	10.5%	2,200,000

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	Lokakarya Menuju Pelayanan Air Minum Prima PDAM-Kota Padang	Hotel Inna Muara - Padang	1/5/2006	1/5/2006	1	72	13.90%	20,350,000
	Workshop on Existing SOP of PDAM Tirta Daroy	PDAM Office of Banda Aceh	1/16/2006	1/21/2006	6	25	20.00%	-
	Development of TNGP Water Users' Agreement	Bukit Indah Hotel	1/18/2006	1/18/2006	1	96	7.30%	16,915,900
	Evaluation Workshop for community based solid waste at RW VI Kelurahan Wonokromo Surabaya	Gedung Serba Guna RW III Kel. Wonokromo	1/21/2006	1/21/2006	1	62	72.60%	18,781,654
	Meeting with ESP Local Partners for Conservation Campaign Program	TNGP premises	1/23/2006	1/23/2006	3	43	11.60%	3,973,888
Workshop/ Seminar	Soliciting stakeholder aspiration corporate planning develop and customers satisfaction survey public expose	PDAM Solok	1/25/2006	1/25/2006	1	90	33.3%	29,616,000
	SD Coordination workshop	Santika hotel, Jakarta	2/7/2006	2/10/2006	4	52	28.80%	86,517,799
	Community Participation to prepare and completing Village Regulation about Solid Waste Management In Desa Tembung Kec. Percut Sei tuan Kab. Deli Serdang.g Kec. Percut Sei tuan Kab. Deli Serdang	Desa Tembung Kecamatan Sei Tuan Kabupaten Deli Serdang North Sumatera Province	2/13/2006	2/15/2006	3	35	14,3%	3,406,900
	Water Revolving Fund Workshop	Hote in Manila, Phils. - TBD	2/21/2006	2/25/2006	5	10	10.00%	160,812,960
	Seminar 'water treatments for user level'	Acacia Hotel, Jl. Kramat Raya 73-81, Jakarta	2/28/2006	2/28/2006	1	61	52.50%	40,300,000

Workshop/ Seminar	Scoping Sanitation Mapping for Kota Padang	Bappeda Kota PADang	3/8/2006	3/14/2006	7	28	28.60%	1,380,000
	Sarasehan: Upaya Penyamaan Presepsi Multi Pihak terhadap Issue Kesehatan Akibat Pembuangan Limbah di badan air sungai di Kelurahan Temas(Menyongsong Hari Air Sedunia)	Joglo Batu	3/22/2006	3/22/2006	1	93	19.4%	10,178,300
	Training Solid Waste Management for NGO, KujBS in Kota Bandung, YBSS in kabupaten Cianjur and Solid Waste Cadre in Kab. Subang	Balai Pelatihan PKBI Jl. Soekarno Hatta Bandung	3/21/2006	3/23/2006	3	25	48.00%	27,000,000
	Lokakarya Penilaian Fasilitas Pelayanan Kesehatan Puskesmas di Jakarta Pusat	Ruang Rapat Kantor Suku Dinas Kesehatan Masyarakat Jakarta Pusat	3/22/2006	3/22/2006	1	43	60,5%	3,037,500
	Strategic Planning kebijakan Taman Nasional di Indonesia	Puskat Jogjakarta	3/28/2006	3/29/2006	2	24	16.70%	10,000,000
Training of Trainers (TOT)	TOT for Strategic Management Instructor of PDAM	Jakarta	1/16/2006	1/20/2006	5	24	16.70%	79,325,000
	Training: Capacity Building for Women Groups in Natural Resource and Health Management	Desa Jarang Uda, Kecamatan Berastagi-Kab. Karo	1/24/2006	1/27/2006	3	32	100.00%	39,100,000
	Training Of Trainers for community organization for solid waste management In Percut rivers area - Deli Serdang. North Sumatra	Tembung Village, Percut Sei Tuan Sub-district of Deli Serdang District and Terjun Village, Medan Marelan Sub-district of Medan Municipality	2/21/2006	2/25/2006	5	26	26.9%	10,962,500

Study Tour	Comparative Study of PDAM Tirta Mountala Aceh Besar to PDAM Tirtanadi Medan	PDAM Tirtanadi	1/24/2006	1/27/2006	4	6	33.30%	13,473,990
	PDAM Padang and Tanah Datar - GIS exposure visit	PDAM Jambi	1/31/2006	2/3/2006	4	15	13.30%	25,512,000
	Comparative Study automatic tariff adjusment to PDAM Solo and Kota Magelang	PDAM + PEMDA Surakarta (Solo)	2/6/2006	2/8/2006	3	14	21.40%	11,521,500
	Comparative Study for Wonokromo environmental cadres to Jambangan Village and Benowo Final Disposal	Jambangan Village and Benowo Final disposal	2/25/2006	2/25/2006	1	25	92.00%	671,250
Focus Group Discussion	West Java/Subang : Penyusunan Rencana multi pihak dan penyiapan kelompok pelaksana Rehabilitasi di Cijambe – Subang	Cijambe and Cimenteng Vilages	1/18/2006	4/15/2006	58	45	4.4%	53,250,000
	Focus Group Discussion #1 and #2 on Point of Use Water	Kelurahan Andalas and Kelurahan Parupuk Tabing	2/18/2006	2/18/2006	1	40	82.5%	7,179,500
	Discussion with core team multi pihak Cianjur on WSM Forum Development	Kantor ESP Cianjur	3/1/2006	3/14/2006	14	10	0.00%	2,100,000
	Evaluation, Coordination meeting and FGD		3/2/2006	3/23/2006	22		NA	2,100,000
	Participatory Technical Assessment for Water, Sanitation & Solid Waste Program in Desa Nusa, Kec. Lhoknga, Kab. Aceh Besar	Nusa Village, Lhoknga Sub-district of Aceh Besar District	3/28/2006	3/30/2006	3	17	29.4%	910,000

Other Training	NAD/Sustainable Livelihood Assessment in Jreuk - Aceh Besar	Jreuk Village, Aceh Besar	3/8/2006	3/10/2006	3	45	24.40%	11,639,000
	NAD/Sustainable Livelihood Assessment in Lamsenia - Aceh Besar	Lamsenia Village, Aceh Besar	3/21/2006	3/21/2006	1	64	6.30%	4,790,000
	Aceh WS Kr Aceh Site Selection	Banda Aceh	1/2/2006	1/6/2006	5	6	0.00%	-
	North Sumatra/Medan : Customer Satisfaction Survey	Medan	1/13/2006	1/20/2006	30	33	69.7%	30,363,800
	Aceh WSM Sabee - Geupu Site Selection Matrix	Banda Aceh	1/16/2006	1/18/2006	3	4	0.00%	-
	NAD/Sustainable Livelihood Assessment in Sawang Village, Setia Bakti Sub-district of Aceh Jaya District	Sawang Village, Setia Bakti Sub-district of Aceh Jaya District	2/7/2006	2/9/2006	3	34	17.6%	9,164,000
Other Training	NAD/Sustainable Livelihood Assessment in Jantho Baru, Aceh Besar District	Jantho Baru, Aceh Besar District	2/15/2006	2/17/2006	3	45	31.1%	18,172,700
	NAD/Sustainable Livelihood Assessment in Dusun Kuala Meurisi, Ketapang Village, Krueng Sabee Sub District, Aceh Jaya District	Dusun Kuala Meurisi, Ketapang Village, Krueng Sabee Sub District, Aceh Jaya District	2/21/2006	2/23/2006	3	36	55.6%	19,465,300
	NAD/Sustainable Livelihood Assessment in Keudee Krueng Sabee village, Krueng Sabee Sub District, Aceh Jaya District	Keudee Krueng Sabee village, Krueng Sabee Sub District, Aceh Jaya District	2/25/2006	2/27/2006	3	29	20.7%	20,111,800
	WPL Presentation on the result of the program on development of communal septic tank	ESP Office Jakarta	3/13/2006	3/13/2006	1	15	33.30%	600,000
	North Sumatera, Evaluation of Hand Washing Campaign in Kel. Aur and Kel. Petisah Tengah	in Kelurahan Aur and Kelurahan Petisah	3/16/2006	3/16/2006	2	23	78.3%	656,700
	Environmental Cadres Inauguration for RW VI Kelurahan Wonokromo Surabaya	Gedung Serba Guna SMKN 1 Kel. Wonokromo	3/23/2006	3/23/2006	1	150	53.3%	N/A
	Participatory Assessment for Water & Sanitation Program in Blang-Lambaro, Sare. Kab. Aceh Besar		3/24/2006	3/26/2006	3	42	0.00%	5,261,000

Title	Location	Dates		Days	Participants	% Female
ESP Watershed Management and Biodiversity Conservation Capacity Building for Farmer Network of Deli Serdang through Farmer Field School on Re-Discovering Rice	4 Sub-districts in Deli Serdang District: Beringin, Lubuk Pakam, Pagar Merbau, Tanjung Morawa	6/15/2005	10/1/2005	139	34	NA
Workshop of community based solid waste management	Desa Tembung dan Kelurahan Kenangan, Kec. Percut Sei Tuan	8/1/2005	10/21/2005	14	20	20.00%
West Java/Bandung: "Water for Life" Campaign	Bandung Kota and Bandung District	9/1/2005	10/31/2005	30		NA
PRIVATE SECTOR PARTNERSHIP DEVELOPMENT IN TNGP	BOGOR, CIANJUR, SUKABUMI	9/10/2005	11/30/2005	80		NA
Appreciative Inquiry Training	Malang, East Java	9/13/2005	10/8/2005	28		NA
Regular Multi Media Campaign	Surabaya, Pasuruan, and Malang	9/16/2005	10/2/2005	16	300	33.30%
Strategic Management Training - senior Managers	Hotel Sofyan Betawi, Jl. Cut Mutia, Menteng Jakarta Pusat	9/19/2005	10/1/2005	12	25	0.00%
Customer Satisfaction Survey-North Sumatra	Medan, Karo, Langkat	9/26/2005	10/28/2005	30	45	NA
Data Collection on the assessment on Watershed Ecosystem at Community Level in Padang Municipality	10 community groups from 10 Kelurahan of Kota Padang	9/26/2005	11/25/2005	60		NA
Lokakarya on Health and Hygiene Campaign in Medan	Kel. Aur, Kec. Medan Maimoon dan Kel. Petisah Tengah, Kec. Petisah	9/28/2005	10/2/2005	5	56	41.10%
North Sumatera / DAS DELI - Training for Journalist on Conservation	Green Hill Village, Sibolangit, Deliserdang	9/29/2005	10/1/2005	3	18	16.70%
Hand washing Campaign in Bandung	Tamansari and Padalarang Villages	9/30/2005	12/30/2005	90		NA
Subang Multi Stakeholders Strategic Planning on WSM Plan Development	Subang	10/2/2005	10/4/2005	3		NA
North Sumatera-Medan/Hand Washing Campaign Activities in Kampung Aur and Petisah	In Kelurahan Aur - Kecamatan Medan Maimun and Kelurahan Petisah Tengah - Kecamatan Petisah	10/3/2005	10/31/2005	29		NA
Multi Media Campaign #II, Lingkungan bersih bebas banjir	Padang	10/3/2005	12/30/2005		551	41.60%
Data Collection on the assessment on Watershed Ecosystem at Community Level in Kota Batu	15 community groups from 13 villages 3 sub district in Kota Batu	10/5/2005	11/7/2005	40		NA

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GIS-f/up training PDAM Tanah Datar	PDAM Tanah Datar Office	10/6/2005	10/7/2005	2	3	0.00%
Water Quality Monitoring Training for Seconded Staf, PDAM ACEH	LABORATORY OF BANDA ACEH	10/10/2005	10/15/2005	6	6	33.30%
Survey Awal Kondisi DAS Kr. Aceh	DAS Krueng Aceh	10/12/2005	10/23/2005	22	6	0.00%
Survey the perception of local community on Tahura Bukit Barisan	Karo and Deli Serdang District	10/13/2005	10/22/2005	10	100	50.00%
Sumbar-Sanitation Road Show	Padang	10/13/2005	10/13/2005	1	23	26.10%
Financial Training for Official PDAM Tirta Mountala Aceh Besar	Jantho Office PDAM Aceh Besar	10/17/2005	10/18/2005	2	21	23.80%
Jabar sanitation roadshow	Tarkim West Java, Bandung	10/19/2005	10/19/2005	1		
Financial & Customer Relation Training for PDAM BANDA ACEH	PDAM BANDA ACEH	11/28/2005	11/28/2005	1	12	25.00%
Introducing of CP to Team CP of PDAM Tirta Mountala Aceh Besar	Jantho Office PDAM Aceh Besar	10/17/2005	10/18/2005	2	21	23.80%
Jabar sanitation roadshow	Tarkim West Java, Bandung	10/19/2005	10/19/2005	1		NA
West Java/Cianjur : TOT Preparation for local SLA Fasilitator	Cianjur	10/20/2005	11/12/2005	11	300	33.30%
Study Tour for Cainjur NGO to Kab Bandung - WPL site	Kab Bandung - WPL sites	10/21/2005	10/21/2005	1	4	0.00%
North Sumatra/Medan : Journalist Discussion on Clean Environmental and Flood Free	ESP North Sumatra Office	10/21/2005	10/21/2005	1	40	27.50%
Concept CBSW - Subang	ESP Office	10/24/2005	10/24/2005	1		NA
Penanaman Hutan Kota Ke 7 Pangeran dan Putri Lingkungan Hidup	Kota Surabaya	10/29/2005	10/29/2005	1	50	60.00%
Gerakan Satu Jiwa Satu Pohon Bersama Menteri Lingkungan Hidup dan Walikota Surabaya	Kelurahan Pandugo - Rungkut, East Surabaya	11/12/2005	11/12/2005	1	500	40.00%
To Engage a Message "Kali Bersih/To Make River Clean Campaign"	Surabaya and Malang	11/15/2005	12/9/2005	25	200	37.50%
Make River Clean	Kota Malang and Kota Surabaya	11/15/2005	12/15/2005	30		NA
East Java/Surabaya: Writing article on the topic of "Clean Environmental Free from flood"	Surabaya	11/15/2005	12/4/2005	20		NA

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East Java/Surabaya and Malang: Talkshow "Clean Environmental Free from flood" on TV and Radio	Surabaya, Malang	11/15/2005	12/16/2005	30		NA
East Java/Surabaya: Menyusuri Kalimas Surabaya	Kalimas dan Kali Jagir Surabaya	11/19/2005	12/4/2005	17		NA
Sumbar- Presentation Sanitation Mapping	Bappeda Kota Padang & Bappeda Kota Bukittinggi	11/22/2005	11/26/2005	4	26	7.70%
Development of action plan by community group in Subang	7 Villages in Subang	11/22/2005	12/16/2005	20		NA
Introducing of CP to PDAM Tirta Meulaboh	PDAM MEULABOH	11/22/2005	11/22/2005	1	13	30.80%
ESP-BORDA CBS Presentation in Kab Deli Serdang, North Sumatra	Deli Serdang	11/23/2005	11/24/2005	2	30	3.30%
Hari Cinta Puspa dan Satwa Nasional (HCPSN) Sumatera Utara 2005	Balai Pelatihan Pendidikan (P3GT), Helvetia, Medan	11/23/2005	11/23/2005	1	39	53.80%
Financial and Customer Relation Training For OFFICIAL PDAM MEULABOH	PDAM TIRTA MEULABOH	11/23/2005	11/24/2005	2	13	30.80%
Talkshow and City Hall Seminary, plus Advertisement	TVRI Medan	11/24/2005	11/30/2005	7	35	25.70%
Sarasehan Upaya Pengembangan Pembibitan Tanaman Kekayaan Berbasis Masyarakat	Joglo, Batu	11/24/2005	11/24/2005	1	61	18.00%
West Java/Cianjur : TOT for local SLA Fasilitator	ESP Cianjur Field Office	11/28/2005	12/8/2005	9		NA
Financial & Customer Relation Training for PDAM BANDA ACEH	PDAM BANDA ACEH	11/28/2005	11/28/2005	1	12	25.00%
Introducing of CP to PDAM Banda Aceh	PDAM Banda Aceh	11/28/2005	11/28/2005	1	12	25.00%
Utilization of Environmental Services (water) in Protected Areas Management Workshop	Bogor	11/29/2005	11/30/2005	2		NA
ESP WSM Capacity Building & Strategic Planning Workshop	Cianjur, West Java	11/30/2005	12/2/2005	3	42	16.70%
Exposure visit LG/East Java to Malaysia	Malaysia	12/4/2005	12/9/2005	5	12	25.00%
Pekan Bakti Pelestarian Kawasan Taman Hutan raya (TAHURA) Bukit Barisan	Berastagi	12/4/2005	12/6/2005	3		NA
Hand Washing Campaign Activities in Medan - North Sumatera	In Kelurahan Aur - Kecamatan Medan Maimun and Kelurahan Petisah Tengah - Kecamatan Petisah	12/5/2005	12/31/2005	27		NA

LOKAKARYA DISEMINASI PENINGKATAN KUALITAS DAN AKSES PELAYANAN KB MELALUI PENDEKATAN MANAJEMEN DAN TEHNI TERUJI Kerjasama STARH JHUCCP JAKARTA dengan ESP USAID MEDAN	Grand Angkasa Hotel, Medan North Sumatera	12/6/2005	12/8/2005	3		NA
LOKAKARYA DISEMINASI PENINGKATAN KUALITAS DAN AKSES PELAYANAN KB MELALUI PENDEKATAN MANAJEMEN DAN TEHNI TERUJI Kerjasama STARH JHUCCP JAKARTA dengan ESP USAID MEDAN	Grand Angkasa Hotel, Medan North Sumatera	12/6/2005	12/8/2005	3	10	70.00%
LOKAKARYA DISEMINASI PENINGKATAN KUALITAS DAN AKSES PELAYANAN KB MELALUI PENDEKATAN MANAJEMEN DAN TEHNI TERUJI Kerjasama STARH JHUCCP JAKARTA dengan ESP USAID MEDAN	Grand Angkasa Hotel, Medan North Sumatera	12/6/2005	12/8/2005	3		NA
Refreshing Course for Local CO of Hand Washing Campaign	Village Facilities	12/7/2005	12/10/2005	3		NA
Training of Usage Laboratory Equipment PDAM Tirta Daroy Banda Aceh	Lambaro Laboratory (PDAM Tirta Daroy Banda Aceh	12/7/2005	12/8/2005	2	12	8.30%
Tahura Week: Conservation of habitat, campaign and Area Rehabilitation	Tongkoh, Berastagi	12/8/2005	12/10/2005	3		NA
Enterpreneurship Training on Organic Waste Management	The University of Brawijaya, Malang	12/8/2005	12/12/2005	5		NA
Training of usage laboratory equipment PDAM Tirta Mountala Aceh Besar	Siron PDAM Tirta Mountala Aceh Besar	12/9/2005	12/10/2005	2	6	NA
East Java/Malang: "Resik-Resik Kalen" (Community Action to Clean Drainage) in Malang Kota)	Kelurahan Dinoyo and Magersono/ Malang Kota	12/10/2005	12/17/2005	7		NA
Drawing/Coloring and Writing Competition in Elementary School Level	Auditorium of SD II Mergosono and Balai Kelurahan Dinoyo - Malang	12/11/2005	12/17/2005	2	100	50.00%
PDAM middle Management Training East-Java	Surabaya or Batu/Malang East Java	12/12/2005	12/23/2005	12	27	18.50%
Study of Centralized Sewerage Systems		12/12/2005	11/18/2005	5		NA
Pameran Lingkungan Hidup/ Environmental Exhibition	Pakuwon Trade Centre/ Mall	12/17/2005	12/18/2005	2		NA
Pameran Lingkungan Hidup/ Environmental Exhibition	Pakuwon Trade Centre/ Mall	12/17/2005	12/18/2005	2		NA
Pameran Lingkungan Hidup/ Environmental Exhibition	Pakuwon Trade Centre/ Mall	12/17/2005	12/18/2005	2		NA
WS Area Selection Matrix	Banda Aceh	12/19/2005	12/20/2005	2		NA

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Padang, West Sumatra: Multistakeholder Workshop "Dari Hulu Air Mengalir, Selamat Kita di Hilir"	Kota Padang	12/21/2005	12/23/2005	3	95	28.40%
Mobilisation of Urban Community-Based Regreening Program: Gerakan Perempuan Tanam Pohon	Taman Surya, Halaman Kantor Pemerintah Kota Surabaya	12/22/2005	12/29/2005	8		NA
Lokakarya Menuju Pelayanan Air Minum Prima PDAM-Kota Padang	Hotel Inna Muara - Padang	12/23/2005	12/23/2005	1		NA
Workshop for Students' Awareness and Introduction to Environment	SD Laboratorium Universitas Negeri Malang, Malang	12/25/2005	12/25/2005	1		NA
NAD/Aceh Besar/TOT Sustainable Livelihoods Assessment	Desa Saree Aceh Kecamatan Lembah Seulawah Kabupaten Aceh Besar	12/27/2005	12/30/2005	4		NA
NAD/Aceh Besar/TOT Sustainable Livelihoods Assessment	Desa Saree Aceh Kecamatan Lembah Seulawah Kabupaten Aceh Besar	12/27/2005	12/30/2005	4		NA

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